

DEPARTMENT OF
CHEMICAL ENGINEERING
**GRADUATING
SENIORS**
2019–2020



AUBURN UNIVERSITY

SAMUEL GINN
COLLEGE OF ENGINEERING

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COLLEGE OF ENGINEERING

The Auburn University Department of Chemical Engineering presents this directory as a guide for companies seeking to hire capable chemical engineers. All of our graduates have completed a rigorous chemical engineering education that is fully accredited by ABET. This training fully equips them to play significant roles in many industries (chemicals, energy, paper, plastics, biotechnology, pharmaceuticals, microelectronics, food, textiles, materials, etc.) and in many engineering companies and government agencies (design, project, environmental, etc.).

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WORK EXPERIENCE

Engineering Student Services, Samuel Ginn College of Engineering, Auburn University, AL (August 2019 – Present) Tutor: Tutor undergraduate students in Math, Science and Chemical Engineering subjects. Southern Company (Georgia Power), Newnan, GA (May – August 2019) Intern: Assisted with industry processes that included improvement of efficiency and implementation of problem solutions.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Alabama Power Academic Excellence Program Scholarship, Bo Davidson Endowed Scholarship, 100+ Women Strong Helping Hands Scholarship.



Hunter Bartlett

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WORK EXPERIENCE

Riverview Animal Clinic, Birmingham, AL (May 2016 – August 2017) Veterinary Technician: Provided general treatment to incoming animals; Assisted veterinarian in surgery from patient's sedation to recovery; Interacted with customers and instructed further home treatment. Bartlett Farms, Auburn, AL (May 2016 – Current) Farm Manager: Oversee year-round operations at family farm including road maintenance and brush clearing; Perform soil and water testing to maximize performance of agricultural fields and fishing pond.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Founders Scholarship, Vulcan Materials National Merit Scholarship, OXE, Beat Bama Food Drive (Director of Logistics), Filter of Hope Team Leader, Theta Chi Fraternity (Chaplain), Christian Crusaders for Christ Student Leadership.



Auburn Bastin

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WORK EXPERIENCE

Robert Trent Jones Golf Trail in Hampton Cove, Owens Cross Roads, AL (May 2012 – January 2018) Sales Associate: Sales, merchandising and customer service in the Pro Shop. Carson's Grille, Owens Cross Roads, AL (May 2018 - August 2018) Server: waitress, bus tables, and customer service.

PERSONAL ACHIEVEMENTS & ACTIVITIES

AU Board of Trustees Scholarship, Achievement Scholarship, Super Scholar Transfer (UAH), Omega Chi Epsilon (UAH Secretary), Tau Beta Pi, AIChE, SWE, Dean's List (UAH).



Jack Benham

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WORK EXPERIENCE

PolyOneCorp (Process & Quality Engineering), Stamford, CT, McHenry, IL, Terre Haute, IN, Avon Lake, OH (May 2017 – August 2019) Lean Six Sigma Manufacturing Engineer: Ran Lean Six Sigma manufacturing projects; Aided in Kaizen Improvement Events; Supported continuous process and quality improvement. The Reeds at Shelter Haven, Stone Harbor, NJ (May – August 2016) Head Valet: Controlled computers used for keeping track of guest's vehicles; Managed guest's cars and luggage. Benham's Service Station and Garage, Berkeley Heights, NJ (May 2011 – August 2015) Manager: Managed up to 10 employees at a time; Responsible for dispatching towing service trucks throughout tri-state area and keeping track of drivers. Jack's Landscaping, North Plainfield, NJ (April 2011 – August 2015) Owner/Operator: Landscaping business that provided services for up to 10 customers at a time.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Omega Chi Epsilon, Dean's List, AIChE, Lean Six Sigma Yellow Belt Certified, Social Fraternity (Sorority Relations Chairman, Philanthropy Committee, New Member Committee), Opelika Historical Society Volunteer, Lee County Humane Society Volunteer.



Noah Blackwood

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WORK EXPERIENCE

Dr. Allan David Research Laboratory, Auburn University, AL (June 2018 – Present) Undergraduate Research Assistant: Passage cell lines, synthesize iron-oxide nanoparticles, investigate the biochemical properties of iron-oxide nanoparticles. Engineering Student Services, Samuel Ginn College of Engineering, Auburn University, AL (May 2019 – Present) Student Employee: Serve as representative of the College of Engineering at the Help Desk for visitors. Check in visitors for Cupola tours; Answer general engineering questions for current students and guests. Office of Undergraduate Admissions (Event Staff), Auburn University, AL (April – December 2018) Student Employee: Answer phone calls, respond to emails and correspond with prospective students and their families regarding the admissions process and specifically scheduled events.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founder's Scholarship, Robert Harper Hamner Scholarship, Dean's List, War Eagle Girls and Plainsmen, Omicron Delta Kappa, AIChE, Social Fraternity (officer 2017 – present), Student Government Association.



Abigail Blankenship

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WORK EXPERIENCE

Georgia Pacific (Utilities/Powerhouse Dept), Purdue Hill, AL (May 2016 – December 2017) Co-Op: Wrote Excel VBA spreadsheet to summarize control room alarms and calculate throughput, runtime and chemical usage for demineralizer tanks; Performed cost savings calculations for potential capital project; Participated in Fall annual outage and annual department audit; Ran lockout room during two-month Spring outage. The SSI Group (Administration), Mobile, AL (June – August 2014, May – July 2015) Data Analyst Intern: Helped manage a team to launch a new product; Coordinated cross-disciplinary team that included product engineering, customer services, implementations, quality assurance and product management departments; Provided competitive and gap analyses upon which the product roadmap was shaped; Worked with Microsoft SQL 2012 including writing recursive SQL and procedural SQL queries.

PERSONAL ACHIEVEMENTS & ACTIVITIES

National Scholars Presidential Scholarship, Samuel Ginn College of Engineering Dean's Scholarship, John W. and Rosemary K. Brown Scholarship, 100 Women Strong Study Abroad Scholarship, Dean's List, Auburn University Marching Band, Tau Beta Sigma, Tau Beta Pi, Phi Beta Kappa, AIChE, SWE.



Gabrielle C. Bradley

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (January 2017 – Present) Undergraduate Research Associate: Under Dr. Elizabeth Lipke; Research includes directly differentiating hiPSCs to cardiac tissue for use in drug-testing and scale-up studies. Department of Chemical Engineering, Auburn University, AL (May – August 2017) Undergraduate Summer Research Scholar: Selected by the Auburn University Cellular and Molecular Biosciences Program as a research scholar studying cardiac tissue engineering. Auburn University Club, Auburn, AL (December 2017 – Present) Golf Shop Assistant: Manage all aspects of golf shop operations, including customer service, sales and merchandising. Barefoot Models & Talent, Mobile, AL (August 2012 – Present) Agent-Represented Model: Print, Runway and Editorial Model working for clients at local, regional and national level.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn University Scholarship, Auburn Research Student Symposium (2018 and 2019 – Presenter and Undergraduate Award Recipient), Phi Eta Sigma, AIChE, SWE, BMES, Auburn University Club Golf Team, Auburn University Club Swim Team (National Meet Qualifier).



Rachel D. Breece

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WORK EXPERIENCE

Nalco Water, Paper, Cotton, AL (May 2017 – December 2018) Technical Sales Co-Op: Managed Nalco products in utilities/power house, pulp mill and chemical recovery departments; Maintained desired flowrates and pump functionality; Developed business relationships with customers at mill through day-to-day contact; Conducted various tests on water samples taken throughout the system to ensure chemical effectivity and customer benefit; Tests included microbiological, iron, nitrite, phosphate, etc. Tuesday Morning, Madison, AL (May 2015 – December 2017) Seasonal Sales Associate: Trained in stocking store; Completed transactions, aided customers and prepared the store for opening and closing; Responsible for customer transactions and maintained cash register in balance. Huntsville Utilities (Water), Huntsville, AL (January – May 2015) Lab Technician: Simulated mock, small-scale water treatment processes; Purified water by experimenting various amounts of alum, ferric chloride and carbon; Trained to operate laboratory equipment such as a digital titration device, pH meter, total organic carbon machine; Demonstrated proficiency in pH, turbidity, total organic carbon, filtration and incubation tests of water.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Tennessee Valley Chapter MAJ Jeffery DeCarlo Matching Scholarship, United Way Youth Leaders Council of Madison County Scholarship, Drummond Company Honors Endowed Scholarship, Honors College Ambassador, AICHE, Auburn for Water, Engineers Without Borders, Honors Serves Leadership, Auburn Day Care Centers Volunteer Tutor.



Eric Broadus

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WORK EXPERIENCE

CIMCO Refrigeration, Mobile, AL (May 2016 – August 2018) Project Manager Assistant: Worked on designs and drawings for chemical and food plant; Used AutoCad and Excel to complete tasks. The Hound, Auburn, AL (November 2018 – Present) Support Staff: Handle running food, clearing and cleaning tables, maintaining cleanliness of the restaurant and interact with customers. Publix, Spanish Fort, AL and Auburn, AL (August 2016 – August 2017) Front Service Staff: Handled customer service tasks; Maintained the cleanliness of the grocery store; Bagged groceries and stocked goods. Five Guys, Mobile, AL (February 2015 – May 2018) Cashier, Griller, Book Keeper: Handled prepping food; Worked the cash register and grill; Moved up to handling accounting information and expenses.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, AICHE, Auburn Rural Ministry Volunteer, Give Kids the World Volunteer (Spring Break), Intramural Soccer.



Robert Carson Buchner

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WORK EXPERIENCE

Quest Engineering and Failure Analysis, Tallahassee, FL (May – August 2017) Engineering Assistant Summer Intern: Quest Engineering specializes in serving as an expert witness for lawsuits involving car accidents and product failures; Assisted the company's engineers in calculations, data analysis, gathering data from accident scenes and trial preparations.

PERSONAL ACHIEVEMENTS & ACTIVITIES

National Merit Presidential Scholarship, Lambda Sigma Honor Society, Auburn Wesley Foundation Leadership Team, AICHE, ARM at AU Member.



Jake Burchfield

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WORK EXPERIENCE

Dr. Maria Auad's Lab, Center for Polymers and Advanced Composites, Auburn University, AL (May – August 2018) Undergraduate Researcher: Worked with 3-D printing technology; Tested various bio-compatible polymers and assessed their applicability to the 3-D printing field; Took part in running the 3-D printer, creating different polymer mixtures and testing viscosity of the mixtures. Target Corporation, Opelika, AL (May – August 2018) Renovation Team Leader: Led a small team charged with completing store-wide renovation and reorganization projects.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, State Farm Corporate National Merit Scholarship, Tau Beta Sigma (Chapter President), Auburn University Marching Band.



Samuel Keener Bush

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WORK EXPERIENCE

Engineering Student Services, Samuel Ginn College of Engineering, Auburn University, AL (May 2018 – May 2020) Peer Advisor: Instruct Pre-Engineering students how to navigate online campus portals and advise them on their selection of semester courses. Henkel: Adhesive Technologies, LaGrange, GA (May – August 2019) Engineering Intern: Assisted the SHE & Engineering Manager with preparations for upcoming safety audits, P&ID updates and equipment quality control. Office of Student Involvement, Auburn University, AL (March 2019 – March 2020) Vice President of University Program Council (UPC): Coordinate the planning and production of free campus events for students.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Robert Young Brown and Walter Lee Brown Endowed Scholarship, Robert and Edna Gatewood Memorial Scholarship, Honors College, Finalist for Excellence in Practical Application Student Involvement Award (2019), Auburn University Classical Guitar Ensemble, UPC Technical Productions Committee (Director), AIChE.



Jonathan Carroll

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WORK EXPERIENCE

Nalco Water, Heavy Industry, Memphis, TN (May – August 2019) Intern: Technical sales of water treatment to the heavy industry around Memphis, including steel plants. Jefferson National Lab, Test Lab, Newport News, VA (May – August 2018) Intern: Polished Niobium samples using Biopolar Pulsed Electropolishing (BPEP); Worked with, and mentored by, lead researcher in BPEP; Presented on research findings and wrote technical paper. Lowe's, Knoxville, TN (May – August 2017) Cashier and Loader: Loaded and unloaded merchandise to stock displays; Operated large machinery; Provided high level of service to company and customers during the checkout process, handling payments of hundreds of customers daily, ensuring financial transactions between both parties were accurate and customers were satisfied. Coachman Clothiers, Knoxville, TN (December 2015 – June 2016) Salesman: Provided sales assistance and recommendations to customers at men's fine clothing store; Timely and efficiently delivered purchased goods to high profile customers.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Chemistry Honors Society, Honors College (Philanthropy Committee), Supplementary Instructor for Physics I; Observation Leader for Physics I, AIChE, Auburn Tennis Club, Motorcycle License and Auburn Motorcycle Club member.



Jonathan Cason

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WORK EXPERIENCE

Packaging Corporation of America, Capital Projects Engineering, Jackson, AL (January 2017 – August 2018) Engineering Co-Op: Assisted in the planning, proposing and execution of several Capital Projects in various locations around the mill; Trained in flammable gas testing and gas tested for many paper machine outages; Assisted in creating an overall water balance on the J1 paper machine. USDA National Soil Dynamics Lab, Auburn, AL (June 2015 – August 2016) Student Assistant: Assisted a scientist and his graduate student with assembling and running tests in waste management research; Prepared samples for analysis.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Diaco and Angela Aviki Endowed Scholarship, James A. and Ophelia Killgore Scholarship, AIChE, Mentor in PUMP Engineering Mentoring Program, Co-Host of "In the Sin Bin" hockey talk radio show on WEGL 91.1 FM radio.



Harper Chaffe

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WORK EXPERIENCE

Graphic Packaging International – Paper Machines, Mobile, AL (May 2017 – December 2018) Co-Op: Conducted Freeness testing project; Improved heat exchanger efficiency; Created and optimized excel spreadsheets; Monitored Parcvue trends; Helped with tank inspections on annual outage. McCoy Outdoor Co., Mobile, AL (November 2012 – January 2017) Floor Clerk: Helped customers find merchandise and answered questions; Folded clothes and straightened other products; Cleaned and restocked store; Took inventory.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, Chemical Engineering Departmental Scholarship, Phi Eta Sigma, AIChE.



Tori Coleman

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WORK EXPERIENCE

Alabama Power – Generation- Engineering, Bucks, AL (August 2017 – January 2019) Co-Op: Developed, coordinated and executed O & M and Capital projects; Led several company departments, craftworkers/foremen and professional engineers in executing projects; Managed, projected and held budget for over \$3,500,000 worth of projects; Procured mechanical and electrical material and services. Alabama Power Academic Excellence Program, Auburn University, AL (May 2017 – August 2018) Lead Counselor: Planned/organized lodging and dining for 32 underrepresented incoming freshmen over four weeks; Communicated and maintained healthy working relationships with program sponsors, university professors, housing directors and facility managers; Supervised a team of five counselors; Mentored campers academically, professionally and personally; Facilitated professional development workshops and academic research. Auburn Youth Programs, Auburn, AL (May – August 2016) Lead Staff Member: Planned/organized lodging and dining for about 10,000 overnight campers aged 7-18 years; Managed sums of up to \$4,000 cash in key deposits; Communicated and maintained healthy working relationships with program sponsors, university professors, housing directors and facility managers; Supervised a team of 15 camp counselors; Reconciled and protected confidential forms such as health documents and payments.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Ever to Conquer Scholarship, PLUS Scholarship, Board of Trustees Scholarship, Achievement Scholarship, Auburn Islamic Center Annual Scholarship, Boeing Company Annual Scholarship, Alabama Power Minority Annual Scholarship, Terry Allen Kirkley Scholarship, Roy Family Trust Endowed Scholarship, NSF Makers Scholarship, LSAMP Scholarship, Kappa Upsilon Deltas Scholarship, AIChE, Alabama Power Academic Excellence Program, Black Student Union, Delta Sigma Theta Sorority, Inc., Dean's List, LeaderShape Institute Graduate, Phi Eta Sigma, Phi Sigma Pi, NSBE, SWE, Society for Collegiate Leadership and Achievement, Women in Sciences and Engineering Institute, 100 Women Strong, City of Auburn Parks and Recreation Head Basketball Coach (6-7 year old girls), I Am My Brother's Keeper Program Volunteer, Habitat for Humanity Volunteer.



Catherine Collier

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WORK EXPERIENCE

Auburn University Recreation and Wellness Center, Auburn University, AL (May 2019 – Present) Group Fitness Instructor: Plan/choreograph and demonstrate various exercises and routines in a group; Enforce safety rules and regulations; Give emergency first aid, if needed. City of Auburn, Yarbrough Tennis Center, Auburn, AL (October 2017 – March 2018) Facilities/Administrative Assistant: Managed a variety of customer service and administrative tasks to resolve issues quickly and efficiently; Reconciled accounts and daily receipts; Opened and closed facilities; Maintained general upkeep and organization of offices and courts; Greeted and logged in visitors and operated telephone. Houston County Courthouse, Dothan, AL (May – August 2017) Judicial System Clerical Aid: Performed standardized clerical and record-keeping work; Prepared, scanned and filed official court records; Performed other related work as required.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn University Spirit of Auburn Scholarship, Providence Christian School Valedictorian 2016, Houston County Distinguished Young Woman 2016 (2nd Place, Scholarship Winner, Self-Expression Writer), Dean's List, SWE (Treasurer), Social Sorority (Treasurer).



Joseph Caleb Collins

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WORK EXPERIENCE

WestRock (Technical Department), Cottonton, AL (May – August 2018, December 2018 – May 2019) DCS Co-Op: Worked with control systems such as Bailey, DeltaV, RSLogix5, etc. to manage mill processes. Heavily involved with creating and editing operator displays, troubleshooting issues within the system and upgrading mill controllers for better system reliability. WestRock, (Technical Department), Cottonton, AL (August 2017 – January 2018) Product Development Co-Op: Performed data analysis to ensure quality standards for current and potential customers; Worked with quality assurance to improve testing methods for different types of coated and uncoated paperboard.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Chi Alpha Christian Fellowship, Nuclear Power Generation Systems Minor, AIChE.



Austin Crane

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WORK EXPERIENCE

Ascend Performance Materials, Decatur, AL (May – August 2019) Logistics Intern: Core team member on black belt project focused on improving asset loading time and efficiency; Improved max load weight calculations; Responsible for overhauling damaged asset procedures/communication. WestRock (Power and Recovery), Panama City, FL (January 2017 – August 2018) Process Engineer Co-Op: Three Co-Op rotations; Designated department process engineer during final rotation; Head of capital project (est. \$2MM/year savings); Lead role in management/prep for WestRock Power & Recovery Internal Audit. Louie's Chicken at Moores Mill, Auburn, AL (August 2015 – July 2016) Shift Leader: Responsible for overseeing operation of restaurant and productivity of other employees; Routinely opened and closed restaurant.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Chemical Engineering Annual Scholarship, Janes & Patricia Corbitt Endowed Scholarship, Board of Trustees Endowed Scholarship, William and Pamela Moench Endowed Scholarship, Dean's List, AIChE, Outdoor Adventure Club.



Kathryn Cronin

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WORK EXPERIENCE

WestRock (Corrugated), Norcross, GA (May – August 2018) Engineering Intern: Executed project to reduce waste and improve performance of the corrugator. Nalco Water, St. Louis, MO (May – August 2019) Technical Sales Intern: Worked alongside the technical sales team to improve the customer experience.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, Roy Family Trust Endowed Scholarship, H.K. Porter Endowed Scholarship, Dean's List, Delta Zeta Sorority Beta Xi Chapter (V.P. Philanthropy), CHAARG (V.P. Membership), AIChE, SWE.



Tobie Cross

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WORK EXPERIENCE

Nucor Steel, Tubular Products, Louisville, KY (May – August 2019) Environmental Engineering Intern: Worked to reduce chromate usage in the electrogalvanizing line by installing an ion exchange resin into the current existing system; Helped fill out environmental documents required by the EPA. Nucor Steel, Tubular Products, Dothan, AL (May – August 2018) Environmental Engineering Intern: Optimized the waste water treatment plant by doing jar testing as well as research and coordination with external labs; Prepared procedures with instructions on how to operate the system.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, GABBR-LSAMP Scholarship, Academic Excellence Program Scholarship, Chemical Engineering Annual Scholarship, Cleburne A. Basore Endowed Scholarship, Dr. Sandra Solaiman Scholarship, Academic Excellence Award, Auburn for Water Special Events Committee.



Kaitlyn Curran

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WORK EXPERIENCE

The Boeing Company, Huntsville, AL (May – November 2018) Product Design Team: Edited parts on the space shuttle. Bruegger's Bagels, Madison, AL (May 2013 – August 2015, Seasonal) Shift Supervisor: Manage store while General Manager was not in.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Auburn Army ROTC Scholarship, National Society of the Daughters of the American Revolution National Defense Committee Award, Dean's List, AIChE, Boys and Girls Club Volunteer, SHPE (Treasurer), Auburn Army ROTC (Command Sergeant Major, Ranger Challenge Team, Drill Team).



Joseph Dekle

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WORK EXPERIENCE

Auburn University Men's Basketball, Auburn University, AL (September 2017 – Present) Student Manager: Set up all equipment for practices and games; Assist players with individual workouts; Assist coaches with film and scouting of opponents.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, John and Rosemary Brown Chemical Engineering Scholarship, Fred Pumphrey Outstanding Pre-Engineering Student, Phi Lambda Upsilon, Tau Beta Pi, Phi Kappa Phi, Omega Chi Epsilon, Phi Eta Sigma.



Charles-Michael Watterson DeVenny

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WORK EXPERIENCE

Mercedes (Quality Control), Vance, AL (May – August 2016) Intern: Worked with managers to identify and record damaged or subpar supplies before they reached the final production line. Pepito's, Tuscaloosa, AL (May – August 2015) Cashier: Part-time position in an American restaurant; Handled interactions between Spanish and non-Spanish speakers if miscommunication was present.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, AIChE, Spanish Minor, Business Minor, Young Americans for Liberty, Tuscaloosa Soup Kitchen Volunteer, Mission Trips to Costa Rica and the Dominican Republic.



Forest Dewberry

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WORK EXPERIENCE

Dr. He Research Group, Department of Chemical Engineering, Samuel Ginn College of Engineering, Auburn University, AL (August 2018 – Present) Laboratory Research Technician: Published papers including work on a sensor using visual and near infrared reflectance to detect moisture content; Significant use of Critical Thinking, Experimental Method, MATLAB and Excel. Ascend Performance Materials, Pensacola, FL (May – August 2018) Manufacturing Engineer Co-Op: Completed various projects including: Chemical assessment of a raw material provider's quality, Procurement contract, Analysis of Ascend's product quality, Modernization of spinneret database. Ascend Performance Materials, Decatur, AL (August – December 2017) Manufacturing Engineer Co-Op: Monitored day-to-day operations including the RHMD (Refined HMD) unit; Oversaw two plant tests, including CHMD test and Nickel Catalyst test; Applied EPA training, ESSH rules and lock out/tag out; Performed time study and operated logistics spreadsheet.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Michael S. Pindzola Endowed Scholarship, Eagle Scout and experience as SPL, BMES (Vice President), Auburn Triathletes (Publicity Chair), AIChE (Webmaster).



Cole Dixon

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WORK EXPERIENCE

International Paper, Pine Hill, AL (August – December 2018) ME Co-Op PPR: Responsible for identifying and implementing cost saving initiatives in the Pulp, Power and Recast areas of the mill and leading weekly process testing on various equipment throughout the mill. International Paper, Pine Hill, AL (January – May 2018) ME Co-Op FP: Responsible for identifying and implementing cost saving initiatives in the Finished Products area of the mill and leading weekly process testing on various equipment throughout the mill. Buger Fi, Auburn, AL (May – November 2017) Fry Cook and Grill: Prepared food for customers while maintaining a clean and healthy work environment.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, AU Pulp and Paper Foundation Endowed Scholarship, Tappi-Paper Chase in Pulp and Paper Endowed Scholarship; Enjoy the gym, playing music and photography.



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WORK EXPERIENCE

International Paper (Power Department, Fibers Department, Finished Products Department) Prattville, AL (May 2017 – December 2018) Process Engineer Co-Op: Worked on and led projects alongside other engineers and operators that reduced cost, improved operation efficiency and made the area safer. Auburn University Youth Programs, Auburn, AL (May – August 2016) Camp Leader: Responsible for leading and supervising 20-50 campers each week; Provided excellent customer service throughout camp operations; Served as a positive role model for the participants.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, Pulp and Paper Foundation Scholarship, Dean's List, TAPPI, Church Small Group Leader, 2018 Auburn Intramural Ultimate Frisbee Champion.



David Drinnon

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WORK EXPERIENCE

ExxonMobil Chemical, Mont Belvieu, TX (January – May 2017) Chemical Process Co-Op: Identified high-risk locations in steam lines and implemented solutions to mitigate risk of overpressure; Led Initiative to resize a pressure relief device; Verified certificates of analysis for raw material purity and performed a root cause analysis of all discrepancies. ExxonMobil Chemical, Baytown, TX (August – December 2017) Environmental and Process Safety Co-Op: Created new diagrams of flare systems to be submitted to the EPA for new regulations; Verified implementation of high priority process safety items; Automated tool to track vent emissions; Consolidated SPCC/API 653 tank inspection checklist for entire petrochemical complex.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn University Presidential Scholarship, Fred and Mary Lou Birdsong Endowed Scholarship, Chemical Engineering Annual Scholarship, Chevron Annual Scholarship, Blood Assurance Crystal Green Memorial Scholarship, Phi Kappa Phi Susan Stacy Entrenkin Yates Award (Outstanding Junior), Fred Humphrey Outstanding Pre-Engineering Student Award, Tau Beta Pi, Omega Chi Epsilon, Phi Kappa Phi, Pi Gamma Tau, Auburn University Chem-E-Car Team (Co-Captain), AIChE (President, External Vice President, Conference Planning Committee), Study Abroad: Business Minor + Management Consulting Project in Madrid, Spain, Undergraduate Research (Inorganic Reaction Kinetics and Mechanisms), Samuel Ginn College of Engineering Camp War Eagle Peer Advisor, Undergraduate Research.



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WORK EXPERIENCE

Physics Department, Auburn University, AL (January 2019 – Present) Demonstration Room Assistant: Responsible for organization of equipment used for physics demonstrations and researching new demonstrations. Rayonier Advanced Materials, Jesup, GA (May – August 2019) Marketing & Research Summer Intern: Responsible for working with teams to create new and improved products and processes to meet customer needs in the Cellulose Specialties business of Performance Fibers. Athletic Department, Auburn University, AL (August 2017 – May 2018) Class Checker: Observed and recorded the attendance of student athletes in their classes.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Heritage Scholarship, E.F. Williams Annual Scholarship, Capt. Walter Douglas, SC, USN (Ret) Memorial Scholarship, AIChE (Philanthropy Chair), AIChE Southern Regional Conference Executive Board, CHAARG (VP Media), Delta Zeta Sorority, Beta Xi Chapter (Philanthropy Assistant, Food Assistant), Chemical Car Team.



Matthew C. Durham

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WORK EXPERIENCE

Goodyear Tire and Rubber Company, Gadsden, AL (January 2017 – July 2018) Co-Op: Worked in three departments: Component Preparation, Mixing, and Tire Assembly; Worked on various projects with engineers to improve products and reduce waste; Had daily tasks to assist engineers with their work.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn University Achievement Scholarship, Auburn University Alumni Association Endowed Scholarship, Chemical Engineering Annual Scholarship, McGlamery Endowed Scholarship, SCA Tissue Book Scholarship, Freshman Leadership Program, Chi Phi Fraternity (Vice President, New Member Educator, Historian).



Kareem El-Kattan

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WORK EXPERIENCE

Quotient Pharmaceuticals, Philadelphia, PA (May – August 2019) Intern: Worked as an intern on scale-up of contracted pharmaceutical manufacturing. Department of Chemical Engineering, Auburn University, AL (April 2017 – Present) Undergraduate Research Fellow: Worked on synthesis of iron-oxide based nanoparticle to track growth of matrix-metalloproteinase II in human prostate cancer cells.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Cupola Engineering Ambassadors (Director of Current Students), Auburn AIChE Conference Planning Committee (President), AIChE (Treasurer), Chemical Engineering Car Team (Stopping Lead), Auburn Undergraduate Research Journal Editor, Campus Kitchens (Shift Leader), Student Recruiter.



Breanna Elliott

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WORK EXPERIENCE

20/20 Eye Care, Dothan, AL (June – August 2017) Optometry Technician: Worked in lab with tools and machinery in order to service patient's glasses. Alabama College of Osteopathic Medicine, Dothan, AL (August – December 2014) Standardized Patient: Responsible for role-playing of patient with ailments, under the direction of doctors, to assist the college with training medical students. Big Daddy's Seafood and Oyster Bar, Dothan, AL (December 2012 – June 2013) Waitress: Responsible for ensuring the needs of customers were met with friendliness and high priority.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Wallace Community College Academic Scholarship, Thomas G. Jones Scholarship, Wallace graduate (Summa Cum Laude), Phi Theta Kappa, Sigma Kappa Delta, Phi Lambda Upsilon, President's List (Wallace), Leadership Development Program, AIChE, ACS, Rotaract Club, Rebuilding engines, Scuba diving, Restoring and playing guitars.



Chandler Espy

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WORK EXPERIENCE

Sabic Innovative Plastics (Utilities Plant), Burkville, AL (January – June 2018) Process Engineering Co-Op: Worked on various projects in the Utilities Plant and around the site; Some projects included conducting backflow prevention analysis on several of our water systems, constructing more concise process flow diagrams of various P&ID's for operator training and conducting statistical analysis to ensure compliance regulations were met. Mountain Springs Swim Team, Huntsville, AL (May – August 2016) Head Coach: Managed and mentored a coaching staff of 4 coaches; Created workouts, developed and implemented technique-improving programs and tracked team member performance improvement using Excel and HYTec Team Manager.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Founders Scholarship, Honors College, Omega Chi Epsilon, Phi Lambda Upsilon, PPAC, AED, Beta Theta Pi Fraternity.



Madison Extine

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WORK EXPERIENCE

Engineering Student Services, Auburn University, AL (May 2018 – Present) Engineering Peer Advisor: Advise engineering students on their academic schedule and answer any questions they have. Heart Center Research, Huntsville, AL (May 2016 – Present) Research Intern: Study/analyze data for various studies and present the findings to the connecting physicians; Shadowed various positions in the hospital while learning and working with patients. Studied and worked with different medical devices; Draw and process labs according to study protocol. Alabama Department of Environmental Management, Mining Water Department, Montgomery, AL (January 2017 – December 2018) Engineering Co-Op: Developed mining permits to regulate discharge into the surrounding waters; Analyzed data and made reports on the findings; Wrote professional letters to companies regarding regulations; Researched different filtration systems. Stan McDonald, Attorney at Law, Huntsville, AL (May – August 2018) Intern: Read over dictations for specific cases to find needed evidence; Wrote subpoenas for upcoming cases; Developed a new filing system both electronically and in filing cabinets; Studied different court procedures and followed lawyers in different fields.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Club Sports Spirit Award, Auburn Waterski Team (Team Captain), Storybook Farms Volunteer.



Victoria Falkos

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WORK EXPERIENCE

Buckman, Cottonton, AL and Grenada, MS (January 2018 – August 2019) Co-Op: Supervised all chemical applications as the sole representative while supervisor was at business meetings; Monitored and tracked chemical inventory and application dosage; Conducted testing on various chemical applications to accurately track chemical responsiveness. Self-Employed (May 2018 – Current) Tax Lien Investor: Gained real estate exposure by researching market conditions and tax laws; Invested in three properties from personal funds to start building an investment portfolio; Collaborated with local investors and listened to professional speakers to gain new insight to the market place.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Theme Park Engineering Group (Project Leader, Vice President of Outreach), Alpha Kappa Psi Fraternity (Vice President of Administration), Lee County Animal Shelter Volunteer (Jog-A-Dog Program to promote adoption of dogs).



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WORK EXPERIENCE

Nalco Water (Paper Division), Stevenson, AL (May 2017 – January 2019) Technical Sales Intern: Maintenance and testing of chemical applications at WestRock-Stevenson Paper Mill; Developed relationships with mill personnel. Maverick Transportation, Little Rock, AR (September 2012 – January 2015) Truck Driver: Over the road flatbed truck driver.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Charles E. Gavin III Family Annual Scholarship, Vergil I. Prewett, Jr. Endowed Scholarship, Charles E. Sellers Endowed Scholarship, John and Cynthia Mace Anderson Endowed Scholarship, Board of Trustees Endowed Scholarship, Omega Chi Epsilon, Dean's List, AIChE.



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WORK EXPERIENCE

Auburn Athletics Event Management, Auburn University, AL (February 2017 – Current) Event Management: Provide customer service for patrons of men's and women's basketball, volleyball, baseball and gymnastics, characterized by immediate, thorough resolution of problems with friendly service. Engineering Student Services, Samuel Ginn College of Engineering, Auburn University, AL (May 2018 – Current) Peer Advisor: Work with incoming Auburn Engineering students to help them plan and register for their Fall semester.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Harry and Eunice Parmer Endowed Scholarship, Drummond Company Honors Endowed Scholarship, Emmett Reeder Annual Scholarship, Miles and Eva Motes Endowed Scholarship, AU Marching Band President's Scholarship, Omega Chi Epsilon, Tau Beta Pi, AIChE, AU Marching Band Flagline, AUMB Freshman Advisor, Kappa Kappa Psi, Tri Delta (Secretary), Esperanza House Volunteer, Hospice Care Volunteer, Dr. Allen David Research Lab, Hope for Guatemala Ministry Summer Intern.



Jack Fulkerson

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WORK EXPERIENCE

NASA, Marshall Space Flight Center, Huntsville, AL (May – August 2018) EM32 Summer Intern: Built on relationships from my previous internship to accomplish my goals; Completed research project on plunge force effects on friction stir welding; Worked with multiple departments and utilized their capabilities to complete project; Authored formal report and presented findings at center-wide poster expo. NASA, Marshall Space Flight Center, Huntsville, AL (May – August 2017) EM32 Summer Intern: Developed relationships with mentor and coworkers to learn about my project; Completed research project on lateral forces in friction stir welding; Worked across multiple departments to utilize their capabilities to push my project forward; Authored formal report and presented my findings at a center-wide poster expo. Dr. Raghav Research Group, Auburn University, AL (August – December 2017) Undergraduate Researcher: Worked on a project involving fluid mechanics in the heart; Designed a heart-lung system to model the fluid dynamics across valves using Solid Works; Used McMaster-Carr to order parts modeled in Solid Works.

PERSONAL ACHIEVEMENTS & ACTIVITIES

William S. Richardson Endowed Scholarship, Chemical Engineering Annual Scholarship, Spirit of Auburn Founders Scholarship, Omega Chi Epsilon, Dean's List, FarmHouse Fraternity (Vice President of New Member Education, Vice President of Risk Management).



Matthew Thomas Garnett

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WORK EXPERIENCE

AME Engineering, Montgomery, AL (May 2013 – Present) Website Creator: Developed and created AME Engineering's website. Alabama High School Athletics Association, Auburn, AL (June 2015 – Present) Football Official: High School football official with the Big East group based out of Auburn, AL. Auburn University Recreation, Auburn University, AL (August 2015 – December 2016) Intramural Football Official: Intramural football official for all leagues associated with Auburn University Recreations; Called the championship games both years. Amateur to Professional Development Football League, Auburn, AL (February 2019 – Present) Football Official: Football official with the APDFL.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Alumni Association Endowed Scholarship, Chemical Engineering Departmental Scholarship, Phi Eta Sigma, National Society of Leadership and Success, Auburn's Theme Park Engineering Group, AIChE, Alabama State High School Science Olympiad Material Science Coordinator/Judge, Medical Shadowing, BEST Robotics Referee/Judge, AMPD Puzzle Competition Volunteer.



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WORK EXPERIENCE

Michelin Tires, Norwood, NC (January – May 2016) Quality Engineer Co-Op: Worked with the quality team to prevent and record problems within the plant; Attended morning meetings, relayed information between departments and reviewed complications; Conducted and refined rack studies for efficiency and quality. Pinnacle Research Group LLC (Pharmaceuticals), Anniston, AL (August 2014 – August 2015) Data Entry: Responsible for entering daily patient data, filling out company worksheets, preparing blood kits, headlining patient forms, filing paperwork, writing checks, transferring blood to and from hospital and labs and retrieving doctor signatures; Learned how to work in a busy medical environment as well as provide comfort and care for patients. Ampersand Wine Bar, Auburn, AL (May – December 2018) Bartender: Responsible for sharing knowledge on wines, where they are from and what grapes they are made of; Attended to customer needs.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn University Founders Scholarship, AU Pulp and Paper Foundation Scholarship, Community First Scholarship, Alabama Governor's School, Delta Zeta Rose Buddy Award for Sisterly Love and Friendship, Delta Zeta (Big/Little Chair, Invitations Manager, Recruitment Data Analyst), TAPPI, IMPACT, Intramural Softball Champion, Intramural Flag-Football Champion, National Honor Society, Varsity Softball, NSHSS.



Caroline George

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WORK EXPERIENCE

Honeywell (Performance Materials Division), Pottsville, PA (May – August 2018) Intern: Executed project to aid in production and development of high-performance films for pharmaceutical, industrial and food packaging applications. Department of Aerospace Engineering, Auburn University, AL (May – August 2018) Undergraduate Research Fellow: Dr. Vrishank Raghav's Lab. Development of an Ex-Vivo Porcine Heart to test and improve mitral valve repairing techniques; Executed 12-week project with strict deadlines and managed progress with milestone goals; Articulated newly attained knowledge in 40 page instruction manual for future researchers; Coached new graduate student to guide his success in continuation of the project; Presented research at 2019 Auburn University Undergraduate Research Student Symposium. OFS (Optical Fiber Solutions), Norcross, GA (May – August 2017) Intern: Communicated with a team of five engineers and interns to update process and instrumentation diagrams (P&ID's) for future construction plans; Tested for optimal method of germanium recovery to reduce manufacturing costs using Excel spreadsheets.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Academic Presidential Scholarship, Chemical Engineering Annual Scholarship, Dean's List, Honors College, Omega Chi Epsilon, Auburn University Dance Ensemble.



Alexis Gilbert

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WORK EXPERIENCE

Buckman Laboratories (Chemical Sales Department), Grenada, MS (May – July 2018) Summer Intern: Performed daily tasks such as running tasks, taking chemical inventory and assisting in maintenance of equipment; Gained experience with excel and data analysis; Worked at a paper mill helping with the chemical additives aspect of the process. Eddie's Calzones, Auburn, AL (August – November 2017) Kitchen Staff: Helped prep food efficiently in a fast-paced environment; Provided friendly customer service when working as the cashier or answering phones.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Shaw Industries Endowed Scholarship, H.K. Porter Endowed Scholarship, Theme Park Engineering Group, AIChE, SWE.



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WORK EXPERIENCE

Packaging Corporation of American (Technical Department), Counce, TN (January 2017 – August 2018) Process Engineering Co-Op: Worked on projects to help maximize efficiency and save money for the company; Worked in the pulp mill, woodyard, caustic, power and recovery and paper machine sections.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Georgia Pacific Pulp and Paper Scholarship, Social Fraternity (Rush Chair, Social Chair, House Manager), Freshman Leadership Program.



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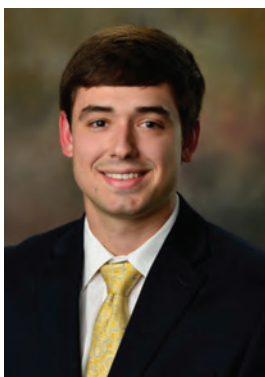
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WORK EXPERIENCE

Books-A-Million, Auburn, AL (December 2017 – Present) Customer Service: Specialized in customer service with stellar reviews from customers; Managed incoming shipments; Organized dividing, sorting and shelving of new merchandise. Joint Institute of Laboratory Astrophysics, Boulder, CO (October 2010 – October 2011) Laboratory Assistant: Researched and modeled the stability of various ions in a photoelectron spectroscopy lab using femtosecond tunable lasers with mass-selected ion beams to investigate molecular dynamics in real time. Green District, Louisville, KY (March – October 2017) Assistant Manager: Delegated employer tasks to maximize efficiency; Budgeted time for front of house and back of house duties; Developed communication skills by handling and speaking to customers; Responsible for opening and closing store. Dillards, Auburn, AL (August 2016 – March 2017) Security Camera Operator: Trained in achieving a singular focus for extended periods of time; Directed and utilized security guards for best store coverage; Dealt with police in a concise manner to effectively handle criminals.

PERSONAL ACHIEVEMENTS & ACTIVITIES

William and Pamela Moench Endowed Scholarship, National Honor Society, Gamma Beta Phi, Omega Chi Epsilon (Treasurer).



Hayden Hall

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WORK EXPERIENCE

WestRock (Project Engineering), Demopolis, AL (January 2017 – August 2018) Co-Op: Completed work on various projects. Wrote scopes of work preparing for bid meetings and communicated with contractors during construction.



Hanna Hammons

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WORK EXPERIENCE

Highland Industries, Kenersville, NC (January 2017 – August 2018) Process Engineering Co-Op: Optimized chemical and manufacturing process through data analytics, process automation and decreased process waste. Proctor & Gamble (Tissue Converting), Albany, GA (May – August 2019) Product Supply Manufacturing: Process optimization; Increased safety precautions on machines.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Provost Leadership Undergraduate Scholarship, Richard Eden Memorial Scholarship, Dean's List, AIChE, Peer Undergraduate Mentorship Program, Auburn Wesley Foundation.



Wyatt Jeremy Haney

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WORK EXPERIENCE

Edward Via College of Osteopathic Medicine, Auburn, AL (January 2018 – Present) Research Assistant: Obtain and clean biomechanical data and analyze large amounts of data to determine relevant trends and results.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Department of Chemical Engineering Annual Scholarship, Tau Beta Pi, Omega Chi Epsilon (Treasurer), Honors College, AIChE.



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WORK EXPERIENCE

Nalco Water, Louisville, KY (May – August 2019) Technical Sales Intern: Generated solutions to preserve energy and water; Solved problems and contributed value for customers in an assigned location; Completed independent projects. Highland Industries, Kernersville, NC (January 2017 – August 2018) Process Engineering Co-Op: 5S and Kaizen administrator; Managed daily production and down time data for rubber and mix departments; Continuous improvement of department; Carried out departmental projects.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Phi Eta Sigma, AIChE, Water Environmental Federation Auburn Student Chapter (Secretary/Treasurer), Peer Undergraduate Mentoring, UPC.



Mackenzie Harris

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WORK EXPERIENCE

Graphic Packaging International, Macon, GA (August 2018 – December 2018) Fiber and Utilities Co-Op: Troubleshooting; Data Analysis; Daily tests and cross-checks; Safety audits. Albany International (Paper Machines), Various locations in Alabama and Georgia (May – August 2019) Chemical Engineering Sales Intern: Troubleshooting; Data Analysis; Sales; Start up assistance from outages.

PERSONAL ACHIEVEMENTS & ACTIVITIES

AIChE, BMES.



Benjamin Haymon

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WORK EXPERIENCE

Nalco, an Ecolab Company, Panama City, FL (May 2017 – December 2018) Technical Sales Intern: As a Co-Op for Nalco, worked at Westrock Panama City Pulp and Paper Mill helping maintain Nalco equipment; Managed on-site chemical inventory; Built relationships with mill management; Routine Testing on various systems where Nalco chemicals were being used to verify the effectiveness of the chemical. Student Athlete Development Center, Auburn University, AL (October 2016 – May 2017) Student Tutor: Math tutor for the Auburn University student athletes to help them understand and apply mathematical concepts. Bojangles, Athens, AL (June 2014 – August 2015) Crew Member: Cashier; Responsible for customer service and ensuring the quality of our product.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, AU Pulp and Paper Foundation Scholarship, AIChE, TAPPI, Auburn University Marching Band.



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WORK EXPERIENCE

Mountain High Outfitters, Auburn, AL (April 2018 – Present) Keyholder/Department Manager: Responsible for managing a team of individuals in selling outdoor gear/apparel; Responsible for opening /closing a business, as well as meeting daily sales goals and keeping an account of store resources. The Mosaic Company (Phosphate and Potash Production), Lithia, FL (August – December 2017) Project Engineering Co-Op: Worked on-site at two chemical plants producing phosphate (fertilizer) products; Participated in group projects involving statistical modeling of a chemical process to identify points of interest for plant optimization projects; Responsible for process optimization recommendations surrounding product-loss from plant operations. Housing and Residence Life, Auburn University, AL (August 2016 – July 2017) International Resident Assistant: Worked with Auburn University students from other countries to establish and maintain a respectful, positive on-campus living experience; Responsible for conflict management and community-building within a large international residence hall.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Fresenius Medical Care Achievement Scholarship, Spirit of Auburn Presidential Scholarship, Chemical Engineering Annual Scholarship, Dr. Andrew Hsu Endowed Scholarship, Presidential Technology Stipend, Undergraduate Research in Harrison School of Pharmacy (Co-authored research paper on the efficacy of computer-designed drug compounds), Hospice Advantage Volunteer, Camp Good Grief Counselor.



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WORK EXPERIENCE

WestRock Mahrt Mill, Cottonont, AL (August 2017 – May 2019) Utilities Co-Op: Learned about power and paper industry; Exposed to industrial applications of engineering; Involved in minor-intermediate level tasks at the mill. LCDCycle – Testing Warehouse, Huntsville, AL (January – August 2015) Head Tester: Recycled display panels from broken cell phone screens; Quality control work; Shipped parts directly to clients (mostly cell phone repair stores). Taco Bell, Madison, AL (August 2013 – August 2015) x-trained “Food/Service Champion”: Prepared food and waited on customers; Assisted management; Declined promotion to shift leader/trainer. Conversant Biologics, Huntsville, AL (August – December 2014) Student Intern: Sorted through pathology reports; Sorted/filed physical data (suspended tumor x-sections) and made the data available digitally.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Freshman Scholarship, AIChE.



Mark John Hinkel

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WORK EXPERIENCE

Nalco Water, Paper Division, Orange, TX (January – May 2019) Technical Sales Intern: Conducted daily water tests; Created spreadsheets for recording, analyzing and communicating pertinent data; Made operational adjustments to keep mill process indicators in range. Nalco Water, Paper Division, DeRidder, LA (May – August 2018) Technical Sales Intern: Conducted daily process tests; Took samples and data to prepare for transitioning mill water treatment program. Nalco Water, Paper Division, Evadale, TX (August – December 2017) Technical Sales Intern: Conducted daily wet-end tests; Performed microbiological tests; Evaluated and proposed changes to batch-on-the-fly program. Hudson News Group, Space Center Houston, Clear Lake, TX (June – August 2017) Retail: Tracked, ordered and organized inventory day to day; Worked as a cashier for both cash and credit transactions.

PERSONAL ACHIEVEMENTS & ACTIVITIES

National Merit Presidential Scholarship, McMillan Family Endowed Scholarship, Joseph F. and Gail Barth Barth-Hirth Endowed Scholarship, Dean's List, Climbing Club.



Steven Hipps

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WORK EXPERIENCE

Greif (formerly Carastar), Austell, GA (August 2017 – May 2019) Process Engineer Co-Op: Assisted with troubleshooting and process optimization; Helped scope out capital projects and wrote up capital requests; Did various lab tests and led trials; Created procedures for the usage of new equipment and communicated it to operators; Tracked production quality and led RCPS meetings to troubleshoot quality issues; Created machine and process diagrams; Assisted with implementing Kanban systems to improve inventory management; Performed weekly housekeeping audits; Collected and analyzed data for downtime, customer complaints, quality issues and machine setup. Images 2 Incorporated, Muscle Shoals, AL (May – August 2015) Assistant: Cleaned printing screens and equipment; Tagged t-shirts; Repaired old screen frames; Shoals Hospital, Muscle Shoals, AL (May 2013 – June 2015) Volunteer: Cleaned hospital beds and changed sheets; Took samples to the lab; Patient transport; Checked in on patients.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, The Shoals Hospital Volunteer Scholarship, Susan G. Delony Memorial Endowed Scholarship, AIChE.



Trisha Ho

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WORK EXPERIENCE

Nalco: An Ecolab Company, Brewton, AL (January – May 2018) Technical Sales Engineer Co-op: Worked on two projects which allowed me to apply my skills in computer analysis and programming; Worked with various customers to gain perspective of how sales work in industry; Presented PowerPoint to customers to show the value in using Nalco's equipment, based on trials and experimental data that was collected. Nalco, Brewton, AL (May – August 2017) Technical Sales Engineer Co-Op: Applied knowledge of chemical engineering in the pulp and paper industry; Utilized communication skills to explain or sell Nalco's chemical products; Assisted account manager with chemical trials that were performed for customers; Tested pulp and paper to see if the chemicals used were effective; Used Microsoft Excel to create sheets of collected data to show the test results.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Board of Trustees Scholarship, Auburn Pulp and Paper Foundation Scholarship, AIChE, TAPPI, SWE, Homecoming Campaigns, SGA, Boys and Girls Club, Intramural sports.



Jacob Holland

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WORK EXPERIENCE

Evonik, Houston, TX (May – August 2019) Summer Professional Enrichment Intern: Provided plant support by working in plant process controls and determining multiple product formation temperature set points. KRATON, Panama City, FL (January – May 2017) Quality Engineering Co-Op: Performed daily QC tests for the lab while working on modeling certain quality parameters using NIR technology for in-process NIR-QC control. KRATON, Panama City, FL (August – December 2017) Process Engineering Co-Op: Provided plant support by reducing nitrogen usage in reactors as well as developing a new program for tracing and monitoring a new product line; Involved in a Fatty Acid color stability study. KRATON, Savannah, GA (May – August 2018) Process Engineering Co-Op: Provided plant support by reducing pump cooling water, sizing a hot oil heater for line tracing and mapping heat flow; Developed multiple SQC programs to track process consistency and optimize trouble shooting.

PERSONAL ACHIEVEMENTS & ACTIVITIES

KBR, Inc. Endowed Scholarship, Pulp and Paper Foundation Scholarship, Eagle Scout, Cupola Engineering Ambassadors, Society of Engineering Executive Development (SEED), AIChE, TAPPI.



Kaylee Howell

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WORK EXPERIENCE

Knauf Insulation, Lanett, AL (August 2017 – May 2019) Process Engineering Co-Op: Completed projects to improve manufacturing process, including design, implementation, troubleshooting and training; Developed AutoCAD drawings for P&ID's, fire protection system and safety guarding; Analyzed quality data to identify trends; Gained experience with continuous improvement and Lean Six Sigma; Performed monthly audits and reports. Department of Aerospace Engineering, Auburn University, AL (January – May 2017) Undergraduate Research Assistant: Designed and constructed lab equipment as a part of a team using engineering skills, such as computer modelling in SolidWorks and fluid transport. College of Human Sciences, Auburn University, AL (January – May 2017) Undergraduate Research Assistant: Managed day to day lab activities and collected data; Performed analysis on collected data to present conclusions. Boaz Discount Drugs, Boaz, AL (June 2015 – July 2016) Pharmacy Technician and Cashier: Communicated and reviewed medication with customers and checked them out; Assisted pharmacist in the preparation of prescriptions.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Frank J. Stevens Memorial Endowed Scholarship, Chemical Engineering Departmental Scholarship, Greek Organization, AIChE, BMES, BMES Design Team.



Lexi Ivan

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WORK EXPERIENCE

Packaging Corporation of America, Valdosta, GA (May – August 2019) Co-Op/Intern: Process engineering responsibilities; Project management and contractor coordinating. International Paper, Selma, AL (August 2017 – May 2019) Process Engineer Co-Op: Worked on capital projects with a focus on cost savings in the power, paper and pulp departments; Assisted in operational tasks such as sample taking and testing; Received several trainings including, but not limited to, white belt certification, TAPPI SAFE certification and OSHA safety training certification. Student Center, Auburn University, AL (September 2016 – August 2017) Foy Information Help Desk Worker: Answered questions and provided assistance to students and to those visiting Auburn's campus; Managed the room reservations in the Auburn Student Center; Performed opening and closing duties of the Student Center. American Eagle, Auburn, AL (May 2016 – July 2017) Sales Associate: Responsible for providing customer service, store upkeep and organization, processing and placement of merchandise and opening and closing store; Fulfilled and packed various shipping orders.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, AU Pulp and Paper Foundation Scholarship, John H. and Gail P. Watson Endowed Scholarship, Dean's List.



Amy Jeffers

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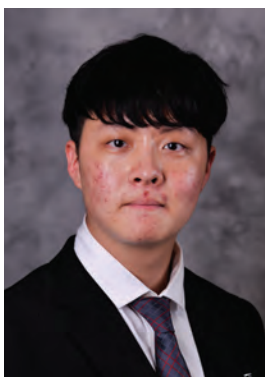
amykatj@gmail.com

WORK EXPERIENCE

BASF, Theodore, AL (Summer 2017 – Summer 2018) Intern: Responsible for implementing safety by leading weekly Job Safety Analysis meetings, organizing the installation of small-scale equipment to enhance chemical processes, composing official documentation for upcoming capital projects and performing new-hire training for new interns. Paint Slingers, Spanish Fort, AL (August 2015 – May 2016) Teacher's Aide: Commuted to several different schools including primary, secondary and high schools to assist in teaching small art projects; Organized art supplies; Guided students through assignments; Cleaned painting utensils. Rouses Supermarkets, Spanish Fort, AL (January 2014 – July 2015) Handled large sums of money, scanned groceries, completed daily chores; Provided exceptional customer service by answering questions, price-checking items and offering carry-out service to all customers.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Chemical Engineering Annual Scholarship, Alabama Power Endowed Scholarship, AIChE, Auburn Club Tennis, Church of the Highlands Volunteer, Coastal Alabama Community College Presidential Scholarship, Coastal Alabama Community College Dean's List.



Kyeongjin (David) Jeon

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WORK EXPERIENCE

KwangSung America Corp., Dadeville, AL (May – August 2017) Quality Control Inspector: Responsible for quality control and wrote daily reports on Luggage Board, Glove Box, Floor console box, Air intake hose and washer tank; Inspected incoming materials from other companies; Trained to operate the universal tensile testing machine and straight knife cutting machine to conduct testing on the products; Assisted in improving communication between native and non-native staff within the department.

PERSONAL ACHIEVEMENTS & ACTIVITIES

University Scholarship, AIChE Chemical Car Competition 2019 (3rd Place), Korean Corner Student Ambassador, Korean Student Association (Secretary), AU Chemical Car Power Team.



Connor Jones

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WORK EXPERIENCE

Genentech, San Francisco, CA (May – August 2019) Process Development Intern: Developed a process to more efficiently extract cancer pharmaceuticals from solvent. Royal Dutch Shell, Baton Rouge, LA (May – August 2018) Process Engineering Intern: Analyzed the effectiveness of corrosion prediction models in determining the margin costs of opportunity crude oils. EBZ-Systec, Birmingham, AL (May – August 2017) Project Management Intern: Engaged with a team of project managers and engineers to fix scheduling delays by repurposing robots.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, Engineering Dean's Achievement Scholarship, National Merit Scholarship, Phi Beta Kappa, Mortar Board, Tau Beta Pi, Phi Lambda Upsilon, Omicron Delta Kappa, Cardinal Key, Phi Kappa Phi, Pumphrey Outstanding Pre-Engineering Student Award, Alpha Tau Omega, Interfraternity Council, SGA.



Matthew Jones

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WORK EXPERIENCE

Caraustar, Inc., Mobile, AL (May – August 2018) Co-Op Engineer: Quality Control work; Environmental sampling and testing for the wastewater system. Daikin America, Decatur, AL (May – August 2017) Summer Intern: Worked in Unidyne area; Quality control and process intern to help design process/new equipment.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Presidential Scholarship, AIChE, Tau Beta Pi.



Kate Kinney

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WORK EXPERIENCE

OxyChem, Ingleside, TX (May – August 2019) Process Engineering Intern.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, John W. and Rosemary K. Brown Annual Scholarship, Chemical Engineering Departmental Scholarship, Cupola Engineering Ambassadors (Director of Selections), Undergraduate Research, AIChE 2020 Southern Regional Conference Planning Committee (Jeopardy Chair), Tau Beta Pi.



Evan Kirkpatrick

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WORK EXPERIENCE

PSRI, Chicago, IL (May – August 2019) Research and Development Intern: High speed video and image analysis of particles in gas and gas-solid jets to determine a mechanistic model for particle attrition in fluidized beds. Department of Chemical Engineering, Auburn University, AL (May – August 2018) Undergraduate Researcher: Developed a graphical-user interface for a novel protein engineering program. Ayres Composite Panels, Theodore, AL (May 2014 – August 2016) Floor Worker: Manufactured lightweight honeycomb composite panels for naval industry.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, AIChE Regional Conference 2020 (Finance Chair), Auburn University Climbing Team (Vice-President).



Tarun Kore

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WORK EXPERIENCE

Physics Department, Auburn University, AL (August 2017 – Present) Learning Assistant: Attend every class, answer students' questions during class and aid the professor with in-class activities or lectures; Hold office hours and exam study sessions.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Chemical Engineering Departmental Scholarship, Research Poster Competition at National Chemical Engineering Conference (3rd Place – Fall 2018), Undergraduate Research Fellowship, AIChE (Secretary), BMES (Secretary), Project Uplift, Engineering Ambassador of UFWH (Universities Fighting World Hunger), East Alabama Medical Center Volunteer.



William Ryan Kramer

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WORK EXPERIENCE

Student Athlete Development Center, Auburn University, AL (2018 – Present) Organic Chemistry Tutor: Tutor student athletes by teaching them how to develop models that enable them to solve a variety of organic chemistry problems and concepts. Holiday Acres Camping Resort, Belvidere, ILL (2015, 2016 Summers) Management Analyst and Customer Relations: Responsible for tracking merchandise sold, rental equipment, restaurant sales and inventory; Managed the financial book for store sales and promoted customer focus.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn CSO (President), Undergraduate Research Assistant (Dr. Schwartz's Immunology Lab), FOCUS led Bible study (Mentor and Discipleship for Freshmen and Sophomores), Biomedical Engineering Specialization, Business Minor (Additional focus towards selling).



Kaitlyn Lawrence

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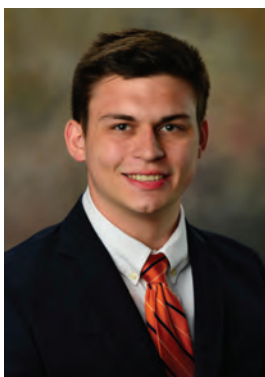
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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (November 2016 – Present) Undergraduate Research Assistant: (Carrero Group) Involved in several projects pertaining to heterogeneous catalysis; Projects involved characterization and kinetic testing of binary and ternary metal oxide catalysts, as well as hexagonal boron nitride. Engineering Student Services, Samuel Ginn College of Engineering, Auburn University, AL (January 2019 – Present) CHEN 3600 Academic Support Instructor: Answered students' questions during their lab sessions; Prepared supplemental lectures; Wrote practice exams; This supplemental class had the highest attendance of all of those offered by Engineering Student Services Spring 2019. Oak Ridge National Lab, Oak Ridge, TN (June – August 2018) Summer Research Intern: Research Intern with the Surface Chemistry and Catalysis Group; Designed a novel, recirculating loop reactor for use in studying the kinetics of low conversion, model catalysts. Naval Surface Warfare Center, Panama City Beach, FL (May – July 2017) Summer Research Intern: Project at NSWS PCD was aimed at elucidating the rheological effects of the addition of Eptatretus stoutii excrete to different known hydrogels.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Board of Trustees Endowed Scholarship, Coach Stokely Bazemore, Jr. Endowed Scholarship, Spirit of Auburn Scholarship, AIChE Chemical and Reaction Engineering Undergraduate Poster Contest (1st Place), Auburn Student Chapter ACS (President), Undergraduate Research Ambassadors (President), Phi Lambda Upsilon, Kappa Kappa Gamma Social Sorority.



Zach Leasure

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WORK EXPERIENCE

Ascend Performance Materials, Greenwood, SC (May – August 2019) Manufacturing Engineer Co-Op: Daily SPC monitoring on key process metrics; Led a team with managers, engineers and operators to reduce off-grade products; Increased efficiency on process equipment by determining root cause for downtime; Improved key measurement systems to aid in data analysis; Established long term control for process equipment monitoring; Created lessons and reminders for operations to enhance performance. Ascend Performance Materials, Pensacola, FL (August – December 2018) Production Co-Op: Performed data collection and interpolation for long term projects; Walked down numerous areas of the plant to model systems for expansion projects. Ascend Performance Materials, Decatur, AL (January – May 2018) Manufacturing Co-Op: Worked with fellow engineers in day to day operations of plant; Worked to optimize, troubleshoot and ensure highest quality of safety measures taken in every aspect of field; Dealt with new technology implementation. Dominos, Chelsea, AL (August 2013 – August 2016) Assistant Manager: Led team through day to day activities to ensure optimum performance of store; Ordered and handled inventory for ideal job conditions.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Meals On Wheels Volunteer, United Way Volunteer



Annabelle Lee

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WORK EXPERIENCE

Savannah River Remediation (Flow and Integration Engineering Department), Aiken, SC (May – August 2019) Summer Intern: Worked with senior engineers to develop material balances and flowsheets to support salt dissolution and salt bath preparation in the processing of liquid nuclear waste, as well as optimizing the process. Department of Mechanical Engineering, Auburn University, AL (May 2018 – Present) Undergraduate Researcher: Tasked with obtaining data on electronic packages for predicting the degradation cycle of the parts after isothermal aging; Data collection included shear strength, wirepull, CT imaging and SEM imaging, multimeter resistance tests and electronic spectroscopy. Self-Employed, Auburn, AL (February – May 2018) Personal Tutor: Tutored college students in advanced chemistry to improve current class performance and future chemistry classes. Office of Academic Support, Auburn University, AL (August – December 2017) Supplemental Instruction Leader: Led group study sessions in a college chemistry class; Implemented worksheets, practice tests and activities to solidify concepts and practice good study skills.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Department of Energy's Nuclear Energy Undergraduate Program (NEUP) Scholarship, Nuclear Power Generation Systems Annual Scholarship, 2016 Chemical Engineering Leave a Legacy Endowed Scholarship, Cleburne A. Basore Endowed Scholarship, Spirit of Auburn Founders Scholarship, Dean's List, IMPACT Volunteer, Lee County Humane Society Volunteer.



Hayes Lee

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (October 2017 – Present) Undergraduate Researcher: Research under Dr. Allan David; Synthesize nanoparticles, separate them using magnetic fractionation, and size them using dynamic light scattering. Camp Ozark, Mount Ida, AR (May – August 2017) Camp Counselor: Mentored middle and high school kids by helping them develop and grow in their faith.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Dr. Philip W. Lett Endowed Scholarship, Trent Williams Endowed Scholarship, Lewis & Annette Eberdt Scholarship, Jack B. Carter, II Endowed Scholarship, Samuel Ginn College of Engineering Endowed Scholarship, Troy Rotary Club Service Above Self Scholarship, SGA (College of Engineering Senator, Budget and Finance Chairperson), Cupola Engineering Ambassador, AU Scholarship Selection Committee, AU Student Conduct Advisory Committee, AU Student Grievance Board, AIChE, BMES, Greek Fraternity, Intramural basketball and softball, Volunteer Tutor at Our House, Oaks Retreat Staff, "Hey Dad" Head Volunteer, Auburn IGNITE (Head Counselor), Foy Spirit Award, Omicron Delta Kappa, Omega Chi Epsilon, Phi Eta Sigma, Lambda Sigma, Freshman Forum, Mortar Board.



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WORK EXPERIENCE

Harrison School of Pharmacy, Auburn University, AL (January – May 2017) Undergraduate Researcher: Helped set up behavioral experiments for Alzheimer mice models; Ran PCR gene amplification. Mountain Springs Pool, Huntsville, AL (June 2012 – August 2013 Summers) Lifeguard.

PERSONAL ACHIEVEMENTS & ACTIVITIES

TigerCage Business Pitch Competition (Led team to quarterfinals. Project focused on interactive virtual reality program to help teach mathematics), Auburn Game Development Club, AIChE.



Jacob Martin

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WORK EXPERIENCE

Chemistry Department, Birmingham-Southern College (August 2016 – May 2017) Undergraduate Research Fellow: Performed research under Dr. Laura Stultz; Studied a ruthenium based anticancer complex (tetrachlorobisruthenate(III) or KP 1019); Pioneered a technique which had never been done on KP1019 known as Spectroelectrochemistry. Chemistry Department, Birmingham-Southern College, Birmingham, AL (January – May 2017) Teacher's Assistant: Assisted in teaching sophomore students multiple techniques including IR spectroscopy, NMR spectroscopy, UV-vis spectroscopy and other chemical analysis tools. Auburn University, AL (August 2017 – Present) Student Tutor: Tutored students in General Chemistry, Pre-Calculus, Calculus I and II.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Cleburne A. Basore Endowed Scholarship, Dean's List, Bachelor's Degree in Chemistry (Birmingham-Southern College), Auburn Club Ultimate Frisbee Team, AIChE, Orientation Leader (Birmingham-Southern College).



Molly McConaughy

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WORK EXPERIENCE

RMCC, Inc., Brewton, AL (May 2012 – August 2016) Office/Field Assistant: Drafted and filed paperwork; Assisted with various woodworking projects.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Kappa Kappa Gamma Sorority, AUDM, Tutor for Calculus I and COMP 1200 (MATLAB), Classical cello, Tennis, Hiking, Painting, Live music, Film photography.



Chris McDonough

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WORK EXPERIENCE

The Grove at Auburn, Auburn, AL (July 2018 – Present) Community Assistant: Cultivating relationships with future and current residents; Giving tours of the community with a focus on selling leases.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Fritz Steel Scholarship, B.S. Business Administration Accounting, AIChE.



Kendall McKiever

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WORK EXPERIENCE

Michelin, Columbia, SC (May – August 2019) Quality Technician Intern: Quality Technician in automated tire convection and finishing; Helped maintain uniformity as well as tested tires to customer expectations; Assisted the production team; Troubleshot product abnormalities.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn University Heritage Scholarship, True Blue Scholarship, Cleburne A. Basore Endowed Scholarship, Joseph F. and Gail Barth Barth-Hirth Scholarship, AIChE, Omega Chi Epsilon, CHAARG (President)



Racheal McLean

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WORK EXPERIENCE

Georgia-Pacific, Palatka, FL (May – August 2018) Technical Department Co-Op: Completed creation and installation of digital safety mapping in critical hazard areas; Worked on several miscellaneous Process Control projects and assisted with daily Process Control issues. Georgia-Pacific, Palatka, FL (August – December 2017) Power & Recovery Co-Op: Assisted with planning and execution of various projects during the mill's annual outage; Conducted various trials such as slaker retention time and meter accuracy analysis; Worked with Lime Kiln ME on execution of a Tall Oil outage; Continued performing periodic environmental compliance inspections. Georgia-Pacific, Palatka, FL (January – May 2017) Environmental Co-Op: Responsible for a conducting and maintaining records for the mill's periodic environmental compliance inspections; Assisted with capital environmental compliance projects and daily mill based compliance projects. Library of Architecture, Design and Construction, Auburn University, AL (May 2017 – May 2018) Student Employee: Assisted patrons with any needs or questions; Performed daily operation tasks and services.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Students for Storybook (Vice President, Treasurer, Volunteer, Lesson Instructor), AIChE, TAPPI.



Andrew McMeans

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WORK EXPERIENCE

Freudenberg-NOK, LaGrange, GA (August 2016 – May 2018) Materials Development Lab Co-Op: Responsible for continuous improvement projects in the lab setting; Participated in material development projects; Work required coordination across multiple departments to ensure product quality.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, Atlanta Auburn Club Scholarship, True Blue Scholarship, NSPE, AIChE, Recreational baseball, Intramural softball, Youth baseball coach.



Jennifer Miller

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WORK EXPERIENCE

Office of Accessibility, Auburn University, AL (January 2019 – Present) Jaunt Driver: Provided transportation for those who needed assistance getting around campus. Jeremiah's Italian Ice, Longwood, FL (May 2015 – August 2018) Server: Efficiently provided service to customers. Iron Horse Golf club, Whitefish, MT (May – August 2013) Driving Range Assistant: Assisted manager of driving range in upkeeping greens; Provided customer service and ensured safety.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Academic Heritage Scholarship, Dean's List, SWE, AIChE, Alpha Xi Delta (Social Sorority).



Henry Mitchell

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WORK EXPERIENCE

Westrock/Kapstone, Charleston, SC (July 2018 – January 2019) Process Control Co-Op: Learned how controls work in an industrial environment; Created a control scheme for a steam letdown station. Kapstone, Charleston, SC (January – May 2018) Paper Mill Co-Op: General paper machine testing; Performed a study to change a chemical retention aid. Kapstone, Charleston, SC (May – July 2017) Process Optimization Co-Op: Performed numerous quality control/standards tests. St. Paul's Episcopal School, Mobile, AL (May – July 2016) Grounds Crew: Maintained athletic fields and complexes around campus.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Chemical Engineering Departmental Scholarship, AU Pulp and Paper Foundation Annual Scholarship, NSCS, Club Rugby (Treasurer).



Zachary Mitchell

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WORK EXPERIENCE

Lowe's, Jensen Beach, FL (May – August 2017) Assembler: Assembled various items and unloaded truck.



Michael Morey

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WORK EXPERIENCE

MAVERICK, Pensacola, FL (May – July 2019) Intern: Edited control system logic; Created and edited HMI Screens; Set up servers. Study Partners, Auburn University, AL (August 2016 – Present) Tutor: Tutored students in Calculus. Hargrove Engineers and Constructors, Mobile, AL (December 2016 – May 2017, August – December 2017) Process Engineering Co-Op: Used AutoCAD to edit P&ID's; Created and edited line lists; Mentored and trained another intern.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Chevron Annual Scholarship, James and Patricia Corbitt Endowed Scholarship, Chemical Engineering Departmental Scholarship, Spirit of Auburn Presidential Scholarship, Chevron International REACH Scholarship, Pumphrey Outstanding Pre-Engineering Student Award, Mechanical Design Lead for AIChE Car Team, Tau Beta Pi, Pi Gamma Tau, Business Minor.



Erin Nalley

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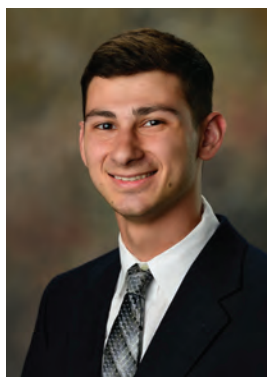
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WORK EXPERIENCE

Nalco Water (Product Line Marketing, Paper Division), Naperville, IL (January – May 2019) Marketing Co-Op: Worked with the marketing team to support the sales force team; This involved creating a phone application for the product compendium, creating a Microsoft Power BI dashboard showing Nalco Water's market share within the industry and updating the Nalco Water website. Nalco Water (Paper Division), West Monroe, Louisiana (May – August 2018) Technical Sales Intern: Compiled and presented a statistical analysis of the wet end chemistry for each paper machine to mill management; Assisted in chemical trials; Completed daily rounds verifying chemical levels and equipment. Nalco Water (Paper Division), West Monroe, Louisiana (August – December 2017) Technical Sales Intern: Assisted in the maintenance of the chemical programs for several paper mills; Performed daily wet end tests and reported results to mill process engineers; Analyzed and presented results from chemical trials; Updated process diagrams. Government and Economic Development Institute, Auburn University, AL (January 2016 – August 2017) Student Worker: Assisted co-workers by answering phone calls concerning class registrations and payments, preparing the necessary course material and maintaining course and certification records.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Academic Presidential Scholarship, AU Pulp and Paper Foundation Endowed Scholarship, Georgia-Pacific Pulp and Paper Scholarship, Honors College, Club Cycling Team (Collegiate Nationals Qualifier), TAPPI, Auburn Campus Band (First Chair Horn).



Joseph Naro

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WORK EXPERIENCE

Whitfield Foods, Montgomery, AL (May – August 2018) Quality Assurance Intern: Participated in the process of food quality control; Conducted finished product testing using professional chemical equipment; Analyzed different aspects of finished product packaging and food products; Communicated specification issues to Vice President of Quality to ensure product quality. Biology Laboratory Sciences, Auburn University, AL (July 2017 – May 2020) Laboratory Technician Assistant: Organized labs performed by collegiate level students; Developed a schedule for future experiments to ensure efficiency. Chemistry Department, Auburn University, AL (August 2016 – December 2017) Learning Assistant: Led regularly scheduled chemistry class and assisted in the learning process for STEM students; Collaborated with graduate teaching assistant to teach students and answer questions; Developed a lesson plan that helped students increase understanding of course material.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Dean's List, Omega Chi Epsilon, Phi Lambda Upsilon, Auburn CSO, Loachapoka Community Center Tutor.



Xuan Dung James Nguyen

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WORK EXPERIENCE

VietsovPetro, Ho Chi Minh City, Vietnam (June – July 2018) Process Engineer: Worked as a control engineer and risk evaluator at an oil and gas distillation plant. US Embassy, Hanoi, Vietnam (May – July 2017) Summer Camp Volunteer: Worked as a volunteer in a series of cultural exchange events between two countries – America and Vietnam. Study Partners, Auburn University, AL (August – December 2016) Tutor: Tutored students in Calculus, General Chemistry, Engineering Physics.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Dean's List, Men's Club Soccer, Vietnamese Student Association, Outstanding International Student Award for Academic Excellence in the Samuel Ginn College of Engineering.



Zeba Nilgiriwala

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WORK EXPERIENCE

UDA Technologies, Auburn, AL (March 2018 – Present) Product Specialist: Researched analytical information to better pursue client retention and relay information between the frontline and programming teams; Performed root cause analysis by evaluating documented solutions and analyzing trends; Earned the title of Loyalty Coordinator, which entailed client loyalty and outreach to increase client retention. International Paper, Pensacola, FL (May – July 2019) REACH Intern: Participated in a core curriculum which allowed me to gain technical and professional development.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Dean's List.



James Oakes

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WORK EXPERIENCE

Hargrove C+A, Baton Rouge, LA (May – August 2019) Co-Op Engineer III: Worked in process control; Created loops in Auto CAD, HMI graphics in Experion and Wonderware; Created documents for proof test procedures; Participated in monthly safety training. Hargrove C+A, Baton Rouge, LA (August – December 2018) Co-Op Engineer II: Worked in process control; Created loops in AutoCAD, HMI graphics in Experion and Wonderware; Created documents for proof test procedures; Participated in monthly safety training; Traveled to the Mobile Hargrove office to participate in a Factory Acceptance Test; Designed a layout for a server cabinet. Hargrove C+A, Beaumont, TX (January – May 2018) Co-Op Engineer I: Worked in process control; Created loops in AutoCAD, HMI graphics in Experion; Created documents for Proof test procedures; Participated in monthly safety training.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship.



Jack Edmondson Odom

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WORK EXPERIENCE

Freudenberg-NOK Sealing Technologies, LaGrange, GA (January 2018 – August 2019) Process Development Co-Op: Aided in the development and implementation of processes related to the manufacturing of sealing devices (O-rings, D-rings, gaskets). Flowerwood Plant Nursery, Loxley, AL (May – August 2016) Laborer: Worked with crews that prepared several varieties of domestic plants for retail from seed to over the road transportation; Operated a variety of heavy machinery including: potting machine, tractor, greenhouse maintenance. United Parcel Service, Fairhope, AL (December 2015 – January 2016) Driver Assistant: Assisted with the coordination of package delivery, organization and ensuring timely delivery.

PERSONAL ACHIEVEMENTS & ACTIVITIES

National Merit Finalist, National Merit Achievement Scholarship through United Parcel Service, NASA Human Exploration Rover Challenge, Auburn Dance Marathon (Media Team, Morale Team), Lutzie 43 Charity Powderpuff Tournament 2018, 2019 (Organizer and Participant).



Natalie Oliver

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WORK EXPERIENCE

NASA (Welding and Manufacturing), Huntsville, AL (May – August 2019) Summer Intern: Created models and simulations for the friction stir welding process using the Virfac Software; Created an experiment matrix to explore how key parameter changes affect heat input and machine feedback data and data analysis of machine feedback data. Freudenberg-NOK Sealing Technologies, LaGrange, GA (January 2017 – August 2018) Growth Co-Op: Trained operators and wrote work instructions for new processes that arose from the plant's transition to a new ERP system, SAP; Led and assisted with various continuous improvement projects throughout the plant. In Bloom, Huntsville, AL (May – August 2016) Floral Designer: Responsible for making floral arrangements for weddings and daily orders; Arrangements for weddings included bouquets, boutonnieres and table arrangements; Daily orders were small to medium-sized arrangements.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Brock McLaren and Laura Ann Wilson Scholarship, Omega Chi Epsilon, Lean Systems Green Belt, AIChE.



Angela Dimitrios Pai

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (September – December 2018) Undergraduate Research Assistant: Research under Dr. Elizabeth Lipke; Performed cell culture techniques and analyzed cancer tissue samples with ImageJ software. Grace Bible Church, Killeen, TX (December 2014 – March 2016) Secretary: Marketed weekly church events; Prepared the church for Christmas and Easter services. Consumer Direct Alaska, Anchorage, AK (January 2012 – August 2014) Primary Care Attendant: Regulated client's daily routine; Conducted physical therapy; Aided with daily living activities; Helped raise awareness of disabilities in the community. Barnes and Noble, Inc., Anchorage, AK (May – August 2011) Bookseller: Provided customer service; Catalogued books; Cashier duties. Swim America, Anchorage, AK (September 2008 – March 2009) Swim Instructor: Taught swimming to children ages 3-12.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Family Readiness, CARE Team, AIChE



Will Pannell

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WORK EXPERIENCE

Georgia-Pacific, Palatka, FL (January – June 2019) Automation/Controls Co-Op: Managed Automated Visual Inspection Trials and built controls in Fiber-line area using Honeywell Experian. Georgia-Pacific, Palatka, FL (May – August 2018) Recovery Co-Op: Ran trials to eliminate soda impurities from lime and redesign control strategy of Precoat Renewal System. Georgia-Pacific, Palatka, FL (August – December 2017) Kraft Co-Op: Developed process limits for improved quality and troubleshoot issues with E&I and Process Control.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Chemical Engineering Departmental Scholarship, Dr. Ralph and Deborah Cunningham Endowed Scholarship, AIChE Car Team.



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WORK EXPERIENCE

Solenis, LLC, Texas City, TX (May – August 2019) Intern: Industrial Water Technical Sales Internship stationed at the Marathon Refinery. Davis Group, Department of Chemical Engineering, Auburn University, AL (January – May 2019) Undergraduate Researcher: Study of nanomaterials, specifically understanding dispersion microstructure of Manganese dioxide through Polarized Optical Microscopy, UV-Vis Spectroscopy and other methods. Carrero Group, Department of Chemical Engineering, Auburn University, AL (May – December 2018) Undergraduate Researcher: Study of heterogeneous catalysis, specifically synthesis and characterization of aluminum-supported metal oxide catalysts for the dehydrogenation of light hydrocarbons through BET for surface area and other spectroscopy methods. Office of Academic Support, Auburn University, AL (January 2017 – May 2018) Supplemental Instructor: Developed supplementary learning materials for Engineering Physics I, Pre-Calculus and College Algebra. Led biweekly tutoring sessions to reinforce classroom learning and review material.

PERSONAL ACHIEVEMENTS & ACTIVITIES

J. A. & Ophelia Killgore Scholarship, Spirit of Auburn Founders Scholarship, John W. and Rosemary K. Brown Scholarship, Normal L. Liver Endowed Scholarship, Dean's List, Pumphrey Outstanding Pre-Engineering Student Award, Pi Gamma Tau, ACS, Auburn Chapter, AIChE, Student Alumni Association, Tau Beta Pi, Phi Kappa Phi, Omega Chi Epsilon.



Brooks Peacock

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WORK EXPERIENCE

Westrock (Powerhouse), Cottonton, AL (May 2017 - December 2018) Process Engineering Co-Op: Worked on efficiency projects using excel and PI software such as Heat Exchange and Bark Unloading; Participated in safety/new position training, day-to-day operations and upkeep, Company Audit and ISO certification process; Participated in LOTO procedure writing and training manual updates. Hall Printing, Columbus, GA (May – August 2016) Painter: Responsible for the quick turnaround of apartment units for lease; Learned basic painting and repair skills; Balanced increasing levels of responsibility as experience was gained.

PERSONAL ACHIEVEMENTS & ACTIVITIES

AU Pulp and Paper Foundation Endowed Scholarship, Alabama Textile Education Foundation Fund for Excellence Scholarship, Golden Eagles Scholarship (Donor Reception Keynote Speaker), True Blue Legacy Scholarship, Huginsmith Endowed Scholarship, Daughters of the American Revolution (DAR) Essay Contest Scholarship, AIChE, TAPPI, Phi Eta Sigma.



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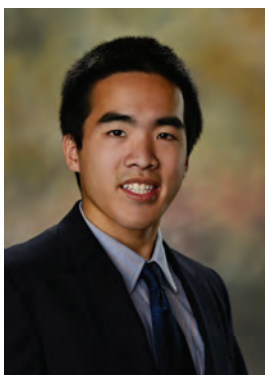
acp0053@auburn.edu

WORK EXPERIENCE

ExxonMobil, Baton Rouge, LA (May – August 2019) Supply Chain Site Intern: Developed essential knowledge of the operations of a large-scale chemical plant and refinery and necessary actions required to ensure efficient logistics, internally and externally; Appearance Testing Project involved researching different lab procedures to determine the most streamlined and effective test method; Waste Stream Project saved the company over \$400,000 annually and implemented a more environmentally sustainable practice. Sartomer, Division of Arkema, Chatham, VA (May – August 2017) Environmental and Safety Intern: Worked closely with HES Manager and Plant Manager to determine potential hazards in frequent operations and update familiar procedures; Created an algorithm that production engineers can use monthly to calculate the fugitive emissions generated in accordance with the batches produced that month. ExxonMobil, Houston, TX (May – August 2018) Polyethylene Marketing Intern: Developed new methods to forecast long-term demand for the polyethylene marketing group that provide deeper granularity for product families and regions and the necessary accuracy for the company to make reliable business decisions; Collaborated with interns to develop innovative ideas regarding how storage can be more economically and environmentally sustainable at ExxonMobil and how those practices can be adopted.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Academic Heritage Scholarship, Auburn University Dance Marathon (Chief of Staff), AIChE, SWE, 100+ Women Strong, Freshman Leadership Program.



Johann Phan

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WORK EXPERIENCE

Department of Kinesiology, Auburn University, AL (August 2017 – May 2020) Undergraduate Research Assistant: Assisted the graduate students with data collections and conducted own study; Undergraduate Research Fellow May 2019 – May 2020.

PERSONAL ACHIEVEMENTS & ACTIVITIES

National Merit Presidential Scholarship, McMillan Family Endowed Scholarship, Cleburne A. Basore Endowed Scholarship, 2018-2019 Undergraduate Research Fellow, Honors Academic Peer Coach.



Lexington Pope

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WORK EXPERIENCE

WestRock (Performance Excellence Department), Lanett, AL (May 2017 – August 2019) Process Engineering Co-Op: Worked within the continuous improvement department focusing on training and development; Managed and developed training materials for a skilled position within the facility; My safety team managed all pedestrian pathways and working surfaces; Helped develop material and train employees on various subjects during annual OSHA training; Had Six Sigma project aimed at reducing quality defects on one of the production lines; Six Sigma project was successful and continues to sustain monthly savings. Pope Trucking, Buchanan, GA (June 2011 – May 2017) Paperwork Handler: Kept up with and calculated quarterly fuel purchases and miles driven in each state for each truck; Analyzed each driver's log book based on DOT specifications and worked with drivers to get the logs corrected.

PERSONAL ACHIEVEMENTS & ACTIVITIES

AU Pulp and Paper Foundation Endowed Scholarship, HOPE Scholarship, Dean's List, TAPPI, Yellow Belt Lean Six Sigma.



Sara Post

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WORK EXPERIENCE

Ascend Performance Materials, Cantonment, FL (May – August 2019) Product Development Intern: Completed several Gage R&R studies for new instruments and lab testing methods; Ran trials on a pilot machine to find factors causing variation in nylon polymer fibers. SABIC, Burkville, AL (May – August 2018) Maintenance and Reliability Co-Op: Discovered cause for poor operating conditions around CO Compressors in Resin unit; Assisted in rebuilding positive displacement lobe pumps and documented parts, time, cost and steps for replacing seal to improve maintenance procedure; Investigated cause for frequent seal failures for several pumps in the BPA unit and proposed appropriate seal upgrades; Proposed plan to install speed switch and interlocks to a BPA flaker auger based to mitigate clean-up costs and down time. SABIC, Burkville, AL (August – December 2017) Utilities and Waste Handling Co-Op: Drove project to install six analyzers (pH and conductivity) to boiler and co-generator feed water lines to prevent costly failures; Conducted a field survey of all vessels in the Utilities and Waste Handling unit and implemented corrections as necessary to update confined space labels. Plasmine Technology, Pensacola, FL (May – June 2016) Research and Development Intern: Completed a research project studying the unknown cause for the increased product performance of the company's sizing product through chemistry research and product analysis. Plasmine Technology, Pensacola, FL (June 2015) Research and Development Intern: Organized documents from older research projects into a searchable data base and completed hands-on lab work and product evaluation through paper sample making and product analysis.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Academic Charter Scholarship, True Blue Scholarship, Trent Williams Endowed Scholarship, Plasmine Technology Scholarship, AU Intramural Sports League, 100+ Women Strong, Auburn University Club Tennis, AICHE.



Olivia Reeves

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WORK EXPERIENCE

Nalco Water, DeRidder, LA (January – May 2019) Sales Intern: Provided system assurance for Nalco customers; Helped run several trials which resulted in new business. Nalco Water, Brewton, AL (May – August 2018) Sales Intern: Provided system assurance for Nalco customers; Over the data analysis for a substantial issue the customer was having; Results aided in selecting a trial plan which was later implemented in a successful trial. Nalco Water, West Monroe, LA (August – December 2017) Sales Intern: Provided system assurance for Nalco customers; Physically aided in trial setup, testing and data analysis.



Julie Rensink

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WORK EXPERIENCE

James E. Martin Aquatic Center, Auburn University, AL (August 2018 – Present) Lifeguard Supervisor: Successfully supervised and managed 30 employees; Led a pool in-service once every month to verify life-saving techniques are up to date; Opened and closed the facility, along with verifying the profits made daily. United States Army Corp of Engineers, Fort Meade and Baltimore, Maryland (May – August 2018) Student Trainee (Engineering and Architecture): Assisted with completion of submittals for new NSA headquarter buildings; Researched change order requests from various contractors and led supervised negotiations in order to stay within the government's budget; Shadowed and assisted quality control/assurance engineers, project engineers, and project leaders out in the construction field with concrete slump tests, concrete placements and rebar inspections. James E. Martin Aquatic Center, Auburn University, AL (August 2017 – May 2018) Lifeguard: Assisted with checking guests in and answering any questions they had; Observed the pool to make sure all patrons were practicing safe habits; Kept bathrooms and facility clean. United States Army Corps of Engineers, Mobile, AL (May – August 2017) Student Trainee (Admin and Office Support/Environmental Department): Observed various environmental engineers surveying locations in Alabama and Florida; Completed professional financial spreadsheets which were sent out to clients; Reviewed and interpreted drawing markings regarding surveyed locations; Communicated effectively with clients by answering specific questions concerning multiple contracts.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Chemical Engineering Annual Scholarship, Coast Guard Foundation Scholarship, Art and Eleanor Colona Scholarship Grant, Collegiate Crescent Fund Grant, NSCS, Selected to Study and Research in Taiyuan and Beijing, China, Social Sorority, Student Alumni Association, Auburn University Dance Marathon, CSO, Students for Life, Intramural Soccer Captain, Dr. Charles Hendrix True Auburn Woman Award, AICHE, SWE.



Josiah Reynolds

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WORK EXPERIENCE

City of Prattville, Prattville, AL (May – August, 2015 – 2017) Head Lifeguard: Supervised 30 lifeguards; Responsible for allocation of other jobs; Responsible for patron safety; Handled money; Maintained pool chemicals. City of Prattville, Prattville, AL (May – August 2014) Lifeguard: Responsible for patron safety, pool chemicals and sanitation. Auburn Aquatics Center, Auburn University, AL: Lifeguard: Responsible for patron safety and recording money.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Scholarship, Dean's List, High School Chemistry Department Tutor.



Joshua Rhoads

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WORK EXPERIENCE

Kraton Chemical LLC, Panama City, FL (August – December 2018) Operations Co-Op: Developed DCS Automation Logic for batch esterification reactors; Installed raw material quality checks and mitigation procedures for the Turpentine Refinery. Kraton Chemical LLC, Panama City, FL (January – May 2018) Operations/Quality Co-Op: Lead research team for innovation and development of new products for the Tall Oil Refinery; Developed methodology to reprocess bi-products from the Turpentine Refinery into more profitable material; Found ways to significantly reduce nitrogen consumption in the Rosin Ester Upgrade Unit. Kraton Chemical LLC, Jacksonville, FL (May – August 2017) Technical Marketing Intern: Conducted nationwide study into the spending patterns of state Departments of Transportation to understand and develop scheduling of plant production and innovation of new products; Compiled all findings from study and developed sales presentation highlighting key insights to be given by company marketers. Study Partners, Auburn University, AL (March 2016 – December 2017) Student Peer Tutor: Tutored university students in Calculus, Chemistry and Physics; Participated in weekly staff meetings designed to build camaraderie and skill amongst the tutors.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Presidential Scholarship, Dean's List, Tau Beta Pi, Omega Chi Epsilon, Phi Sigma Kappa Fraternity (Executive Board: Inductor and Secretary), AIChE.



Ian David Richert

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (January 2018 – Current) Undergraduate Research Assistant: Under Dr. Tae-Sik Oh, research entails the creation and characterization of electrospun nanofibers of polystyrene, polyamide and polyvinylpyrrolidone (PVP) for air and water pollutant removal; Investigate the synthesis and characterization of ceria electrospun nanofibers for carbon monoxide oxidation through catalytic activity; Work on designing a free surface electrospinning device for increased nanofiber production. Campus Recreation – Auburn Outdoors, Auburn University, AL (January 2017 – August 2018) Bike Technician/Climbing Wall and Rental Shop Attendant: Demonstrated a high level of bike repair knowledge and communicated basic bike maintenance skills to members; Supervised bouldering, top-rope climbing and lead climbing as Climbing Wall Attendant; Assisted members in registering for the most appropriate outdoor trip for their desired goals; Main focus as an organization was quality instruction, customer service, risk management and member safety. Montgomery Multisport, Montgomery, AL (June – August 2016) Sales Associate: Educated customers on the sport of triathlon and suggested equipment based on customer needs; Learned basic bike repair skills and assisted with bike shop repairs.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Founders Scholarship, Dean's List, AIChE, Advanced Biofuels Club, Mountain biking, Hiking, Running, Classical guitar, Piano.



Jordan Riddle

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WORK EXPERIENCE

Krispy Kreme, Auburn, AL (May 2017 – Present) Team Member: Provide customers with “SWEET” experiences; Maintain product and work conditions according to safety regulations and quality; Train new employees according to expectations and standards. International Paper, Cantonment, FL (May – August 2019) Intern: Aid in technology design; Use critical thinking to solve problems, help enhance products, develop process improvements; Network and cooperate with different departments. Raghav Applied Fluids Laboratory, Auburn University, AL (January – April 2019) Undergraduate Researcher: Develop and enhance loops mimicking respiratory and cardiovascular systems; Analyze data from pressure transducers and ultrasound flow sensors; Work towards optimizing a prosthetic aortic heart valve. Self-Employed, Pensacola, FL (May 2014 – August 2016) Special Needs Music Teacher: Design lessons according to development and progress; Operate lessons with flexibility according to students' daily conditions; Communicate progress and goals.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Cleburne A. Basore Endowed Scholarship, Western Union Scholarship, University of Alabama Dean's List, University of Alabama Presidential, Leadership and Marching Band Scholarships, Pine Forest High School Salutatorian, PFHS Hall of Fame, Congressional Merit Award from Jeff Miller, “Angel In Our Midst” (Children's Hospital).



Brandon Schaerfl

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WORK EXPERIENCE

Evonik, ACA Plant, Mobile, AL, Process Engineering Intern: Plant modifications such as rerouting a pipeline to install a valve, determining the safe minimum operating temperature for a thermal oxidizer, and designing portable and stationary tote stands for loading and unloading material into and from the updated process; Updated information relating to P&IDs as well as work orders in SAP; Troubleshoot issues with operators about mass totalizer errors involving the product transfer line.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship; Dean's List.



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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (January 2017 – May 2018) Research Fellow: Studied the prospect of using EIS paired with ultrasound to determine the flocculation point of asphaltenes.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Patrick and Rose Hanks Annual Scholarship, Chemical Engineering Leave A Legacy Endowed Scholarship, Honors College, Undergraduate Research Fellow, Tau Beta Pi, E-Council Representative, Omega Chi Epsilon (President), Storybook Farm Volunteer, Eagle Scout.



Jonathan Schuler

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WORK EXPERIENCE

Chevron, Pascagoula, MS (May 2018 – August 2019) Process Engineering Intern: Prioritized safety and reliability while optimizing/troubleshooting large-scale processes; Supported plant process engineer with troubleshooting and projects; Learned how to work with various groups within the refinery such as other technical employees, project groups, Operations and Maintenance. Office of Undergraduate Research, Auburn University, AL (August – December 2019) Worked with the Adamczyk group on atomistic modelling of biomass systems; Awarded fellowship, allowing for presentation of results at annual AIChE Conference; Experience with research, making and giving presentations and writing reports. United States Coast Guard, MWR, Mobile, AL (May 2016 – September 2017) MWR Lifeguard: Prioritized patron safety (rule enforcement and Red Cross CPR/AED certified); Planned and carried out community events for members of the Coast Guard and their families; Worked under high-ranking members of the Coast Guard and gained experience with chain of command and working with people in positions of authority.

PERSONAL ACHIEVEMENTS & ACTIVITIES

National Merit Scholarship, Samuel Ginn College of Engineering Dean's Scholarship, McMillan Family Endowed Scholarship, Technology Scholarship, Omega Chi Epsilon, Pumphrey Outstanding Pre-Engineering Student Award, St. Michael's Church (Youth Leader), AIChE, BMES.



James Walker Scott

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WORK EXPERIENCE

WEGL 91.1 FM, Auburn, AL (August 2017 – May 2018) Chief Engineer: Responsible for maintaining hardware and software used for radio broadcasting; Facilitated in-studio sessions with musical guests. Office of Academic Support, Auburn University, AL (August 2018 – May 2019) Supplementary Instruction Leader: Responsible for preparing 3 hours of review material for Auburn's World History classes; Attended World History classes to maximize instruction effectiveness.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, James and Patricia Corbitt Endowed Scholarship, AIChE, Omega Chi Epsilon, Dean's List.



Susanna Seeman

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WORK EXPERIENCE

Milliken, LaGrange, GA (May - July 2019) Technical Development Intern: Project involved optimizing the current formulation of the current carpet products to be more environmentally sustainable. Harrison School of Pharmacy, Auburn University, AL (September 2019 – April 2020) Undergraduate Research Assistant: Work with the Kisselev Lab group to develop cancer drugs; Work with loading nanoparticles with drugs and testing the results. Spicer's Rock Camp, Auburn, AL (June – July 2018) Counselor: Taught campers from age 3-18 music and teamwork skills; Facilitated in learning and performing cover and original songs.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Chemical Engineering Departmental Scholarship, Auburn Academic Heritage Scholarship, AIChE, True Blue Scholarship, Auburn Community Church Production Team, Chi Omega, Studied Abroad in China.



Carter Senn

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WORK EXPERIENCE

PERSONAL ACHIEVEMENTS & ACTIVITIES

Orrison Memorial Scholarship, Alpha Gamma Delta, Church of the Highlands 252 Internship.



Seena Shojaee

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WORK EXPERIENCE

Auburn Bookstore, Auburn, AL (May – October 2018) Team Member: Worked store front, engaging with customers and assisting with floor sales; Managed and stocked inventory; Fulfilled and recorded monetary transactions. Mercy Medical, Auburn, AL (October – December 2016) Student Volunteer: Medical Clinic office assistant; Worked front desk, checked in customers, managed appointments and payments; Assisted other staff members.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Chemical Engineering Departmental Annual Scholarship, Honors College, AIChE.



Sara Sligh

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WORK EXPERIENCE

Auburn Campus Recreation (Competitive Sports), Auburn University, AL (May 2018 – Present) Manager: Provide a safe, fun and controlled environment for participants and spectators; Assist in training and give evaluations to officials; Assist the supervisors and oversee all games and practices; Report on issues and make important calls to keep participants and workers safe. Auburn Campus Recreation (Competitive Sports), Auburn University, AL (January 2018 – Present) Supervisor: Assist guests and players with any aid they need; Assist in training and give evaluations to officials. Auburn Campus Recreation (Competitive Sports), Auburn University, AL (October 2016 – Present) Intramural Official: Trained in rules of volleyball, basketball and flag football and can accurately make calls and relay the information to the participants; Verify a participant's eligibility and work with supervisors and manager to assure a fair game.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Presidential Scholarship.



Philip Smith

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WORK EXPERIENCE

Nalco Water: An Ecolab Company, Panama City, FL (January 2017 – August 2018) Co-Op Sales Intern: Serviced water chemistry applications; Led investigation into softener regeneration efficiency; Diagnosed water treatment application issues; Maintained boiler water chemistry.

PERSONAL ACHIEVEMENTS & ACTIVITIES

John Smyth Scholarship, AU Pulp and Paper Foundation Scholarship, Eagle Scout, High school and recreational soccer referee, TAPPI (Treasurer), AIChE



R. Sutton Snyder

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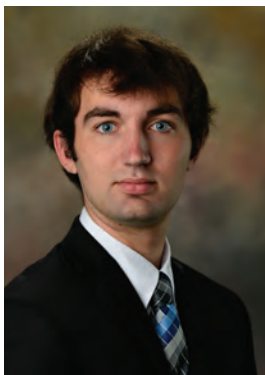
rss0026@tigermail.auburn.edu

WORK EXPERIENCE

Auburn University Library, Auburn University, AL (May 2017 – Present) Student Employee: Responsible for working the circulation desk and assisting patrons with anything related to the library; Shelves and organized library materials (books, government documents, videos, etc.); Delivered requested materials to professors and graduate students; Helped with day-to-day tasks. Georgia-Pacific, Cedar Springs, GA (May – August 2019) Operations Co-Op: Conducted a sewer study on the paper machine sewers to monitor/locate areas susceptible to high fiber loss; Assisted in paper machine outages by providing support to contractors and maintenance personnel; Ordered new tank safety signs for various chemical storage containers; Surveyed paper machine area for best locations for new operating cameras; Created new PI Vision pages to assist operations with transition from using PI Process book to PI Vision; Assisted in KCF rapid deployment by monitoring base stations, auditing vibration sensors and working with Andritz to create heat maps; Participated in level 1 vibration training, FMEA training and an RDI motion amplification study. Georgia-Pacific, Cedar Springs, GA (May – August 2018) Process Safety Co-Op: Developed and planned a new capital project to install an acid-neutralization system near a set of demineralizers; Assisted in the upkeep and monitoring of process safety logistics such as: auditing proper lock out procedure, updating chemical intake/outtake locks and pre-startup safety reviews (PSSR); Attended process safety leader training course. Georgia-Pacific, Cedar Springs, GA (August – December 2017) Reliability Co-Op: Wrote startup/shutdown procedures for a newly installed hydrogen cooling system on a turbine generator and for a newly installed air system; Performed inspections on evaporators, power boilers, package boilers and deaerators during annual shutdown; Assisted with vibration testing and took thermal images of various assets.

PERSONAL ACHIEVEMENTS & ACTIVITIES & ACCOMPLISHMENTS & ACCOMPLISHMENTS

Pi Kappa Alpha Fraternity (Rush Committee Member), Volunteer Head Soccer Coach for boys U8 team, AIChE.



Tucker Sparks

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (May 2017 – Present) Undergraduate Researcher: Worked under Dr. Bryan Beckingham; Performed advanced synthesis, NMRs, Data collection. Georgia-Pacific (Kraft/Recovery), Palatka, FL (January 2018 – Present) Intern: Handled trials, quality control, tests, data analysis and capital project proposals. YMCA, Montgomery, AL (May 2015 – August 2016) Head Lifeguard: Helped with scheduling; Maintained pool chemicals and permits; Co-coached youth swim league.

PERSONAL ACHIEVEMENTS & ACTIVITIES

AU Pulp and Paper Foundation Scholarship, TAPPI Paper Chase Endowed Scholarship, Georgia-Pacific Pulp and Paper Scholarship, Robert and Edna Gatewood Memorial Endowed Scholarship, Spirit of Auburn Presidential Scholarship, Alabama Power Foundation Scholarship, VDL Scholarship, Guardian Credit Union Scholarship, Pi Kappa Alpha Fraternity, AU Climbing Club, AIChE, TAPPI.



John Nathan Stolle

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WORK EXPERIENCE

Enterprise Products, Houston, TX (May – August 2019) Engineer Intern: Worked on Capital project worth about \$7 Million. Venator Materials, Wynyard, United Kingdom (May – August 2018) Laboratory Technician: Implemented ultrafiltration into laboratory scale TiO2 chemical process and tested for production quality and efficiency.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Dean's List, NSCS, FarmHouse Fraternity, Auburn Rock Climbing Club.



Joshita Suresh

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (December 2016 – Present) Undergraduate Researcher: Developing an in vitro 3D prostate cancer tumor model for drug testing methods by studying the effects of adding stromal cells to the tumor microenvironment as well as introducing these bioengineered tumor tissues to the tumor-on-a-chip platform to further mimic native tumor microenvironments; Awarded the Auburn University Undergraduate Research Fellowship (2018-2019). East Alabama Medical Center (Laboratory Department), Opelika, AL (March – September 2018) Volunteer: Gathered blood and body fluid samples from various departments within the hospital and delivering them to the appropriate machines to quantify the samples of the patients. Kumon Learning Center, Hoover, AL (October 2013 – June 2016) Assistant Instructor: Worked with children to help them self-learn math and reading through pre-prepared lecture worksheets; Entrusted to run the store at off hours and handle new prospective students; Kept parents informed about their children's performance. University of Alabama at Birmingham Hospital (Department of Neurology), June – August 2015, Research Intern: Analyzed video footage of a Parkinson's Disease patient to quantify the amount of time the patient spent in freezing of gait at different Deep Brain Stimulator (DBS) frequencies in a double-blind study; This research study was used to test the effects of unilateral variation in the DBS systems and was published in the Parkinson's and Related Disorders Journal (September 2015).

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Chemical Engineering Annual Scholarship, Omega Chi Epsilon, Tau Beta Pi, Phi Eta Sigma, Dean's List, Honors College, BMES (President), AIChE (E-Council Representative), 100+ Women Strong, 2016 Oak Mountain High School Valedictorian.



Benjamin Tatum

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WORK EXPERIENCE

Acre, LLC, Auburn, AL (May – August 2018) Cook: Responsible for preparation and plating of dishes in garde manger, salumi and desserts stations.

PERSONAL ACHIEVEMENTS & ACTIVITIES

John W. and Rosemary K. Brown Scholarship, NMSC Georgia-Pacific Foundation Scholarship, Auburn University Presidential Scholarship, Chemical Engineering Departmental Scholarship, Tau Beta Pi, 2020 AIChE Southern Regional Conference Planning Committee (Volunteer Chair).



Austin Taylor

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WORK EXPERIENCE

Greif (formerly Carastar), Mobile, AL (January 2018 – Present) Chemical Engineer Co-Op: Responsible for daily water Total Suspended Solids (TSS) tests, paperboard quality testing and record keeping; Updated MSDS files to SDS files for the paper mill; Performed freeness tests on stock; Participated in testing new chemicals on a paper machine. Sno-Shack, LLC, Fairhope, AL (May – August 2017) Manager: Responsible for selling snow cones, operating an ice shaving machine, managing daily finances and basic upkeep of a food stand. Jim Goleman State Farm, Daphne, AL (June – August 2013) File Clerk: Restructured and reorganized a file system by removing outdated files and adding in newly completed files; Physically shelved files and used a computer-stored index to verify and remove outdated files.

PERSONAL ACHIEVEMENTS & ACTIVITIES

College of Engineering Dean's Scholarship, National Scholar's Presidential Scholarship, Resident National Merit Finalist, Dean's List, Valedictorian (McGill-Toolen Catholic High School, 2015), AIChE, Honors College.



Matthew Taylor

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WORK EXPERIENCE

Bonefish Grill, Baton Rouge, LA (January – April 2017) Server/Host: Provided efficient and courteous service; Communicated with patrons and staff to meet and exceed customer expectations. Theta Chi, Iota Pi, Baton Rouge, LA (January 2015 – January 2016) Alumni Outreach Chairman: Led outreach initiative to increase interactions between alumni and active collegiate members; Planned and led inaugural Alumni Crawfish Boil. Birmingham City Schools, Birmingham, AL (May – July 2015) District Maintenance Assistant: Worked on a team to improve district classroom conditions; Communicated and cooperated with a team to complete work more efficiently.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Flagship Scholar's Nonresident Award (LSU), Dean's List.



Russell Thomas

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WORK EXPERIENCE

Rayonier Advanced Materials, Jesup, GA (May 2017 – August 2017) Process Engineering Intern: Focused on process engineering projects in Utilities Department with Recovery Boilers, Power Boilers, Turbine Generators, Lime Kiln and Water Treatment Plant; Performed many safety activities across the department such as walk throughs and safety audits; Ran multiple natural gas optimization trials on a bark burning boiler. Rayonier Advanced Materials, Jesup, GA (May – August 2018) Pulp Mill Intern: Focused on process engineering in the Pulp Mill with Brown Stock Washers, Bleach Washers and Turpentine System; Performed weekly safety audits in different areas of the mill; Performed many chloride, pH and washer balances across the Pulp Mill.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Academic Common Market Scholarship, AU Pulp and Paper Foundation Scholarship, McDevitt Named Scholar, Theodore (Ted) P. Crane Jr. Memorial Leadership Endowed Scholarship, TAPPI, AIChE (Car Team).



Bailey Thompson

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WORK EXPERIENCE

Vulcan, Inc., Foley, AL (May – August 2019) Manufacturing Engineering Intern: Worked with lean and continuous design improvement for manufacturing processes. Auburn Housing, Auburn University, AL (July 2017 – May 2019) Resident Assistant: Worked with developing and managing residential communities on campus.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Vulcan Scholar Award, New Resident Assistant of the Year, Honors College, Auburn Housing (Student Senate Liaison), AIChE.



Maranda Tidwell

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WORK EXPERIENCE

Caraustar, Austell, GA (August – December 2018) Project Engineer Co-Op: Planned and coordinated mill projects; Performed in depth data collection and analysis for a major mill project. Omya, Sylacauga, AL (May – August 2018) Process Engineer Intern: Completed a project to improve tint measurement of in process slurry; Performed lab tests on process samples.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Alpha Omega Epsilon (Social Chair), Peer Advisor (Samuel Ginn College of Engineering), AIChE, Alabama Power Academic Excellence Program.



Mason Tortorich

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WORK EXPERIENCE

Raghav Lab, Auburn University, AL (March 2019 – May 2020) Undergraduate Research Assistant: Manufacture needed pieces using silicone casting as well as 3-D printing; Analyze 3D fluid flow patterns of blood mimicking fluid using an experimental plenoptic technique to gain insight into ideal artificial heart implant design and placement. Daewon American, Opelika, AL (May – August 2019) Production Operations: Utilized and maintained industrial machinery and robotics in the process of heating, forming and quenching steel products.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Dean's List, Advanced Personal Selling Student, Red Cross Volunteering Club (Vice President).



Avi Vaidya

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WORK EXPERIENCE

Oak Ridge National Laboratory, Oak Ridge, TN (May – July, 2017 and 2018) Higher Education Research Experiences: Intern in the Carbon and Composites Group; Primary assignment first term involved determining which recycled materials would be best suited for a 3D printer; Second term, worked to characterize parts of a car battery container to ensure optimal fuel efficiency and vehicle safety.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Vulcan Materials Presidential Endowed Scholarship, John W. and Rosemary K. Brown Scholarship, Christopher B. and Tracy Roberts Scholarship, Pumphrey Outstanding Pre-Engineering Student Award, Omicron Delta Kappa, SGA, Student Recruiters, AIChE.



Colton Ware

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WORK EXPERIENCE

Whistle Stop Brew Shop, Opelika, AL (May 2019 – Present) Assistant Store Manager: Assist with tasks that maintain/improve efficient store function; Helped with store opening from start to finish; Assist customers with problems and questions that pertain to brewing; Teach brewing classes. Red Clay Brewing Company, Opelika, AL (May 2019 – Present) Bartender: Serve customers; Assist customers with beer selection. Freudenberg-NOK, LaGrange, GA (May 2017 – May 2018) Process Engineering Co-Op: Learned processes for manufacturing rubber o-rings; Applied production part approval process (PPAP); Trained for multiple functions of SAP software; Time studies on rubber batch preparation; Quality testing in lab. AID Security, Southside, AL (May – August 2014) Wireless Internet Assembly: Learned the process for configuring wireless access points; Ran Ethernet cables and Cat 6 wire for Riverview Regional Medical Center; Installed wireless access points and data closets throughout Riverview Regional Medical Center.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Brew Club.



Andrew Webster

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WORK EXPERIENCE

Department of Chemical Engineering, Auburn University, AL (August – December 2018) Undergraduate Teaching Assistant: Assisted students with in-class assignments; Held office hours for students; Proctored exams and quizzes.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Raymond E. and Eleanor H. Loyd Endowed Scholarship, Robert and Mildred Weedon Blount Foundation Scholarship, Undergraduate Research Assistant, AIChE, ACS, AUMB, AU Jazz Band, AU Exit 51 Saxophone Quartet, Auburn Knights Orchestra, Tonal Recall.



Brenton White

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WORK EXPERIENCE

Nalco, Columbus, MS (Summer 2018 and 2019) Technical Sales Intern: Treated water to achieve desirable conditions for industrial purposes; Attended sales meetings; Took an entry-level water treatment class using Nalco handbooks to understand basics of water treatment. Quixotes Bar and Grille, Auburn, AL (May 2017 – Present) Bartender (previously Security/Bar back): Worked under incredibly fast paced conditions to serve customers quickly and efficiently, while not getting overwhelmed; Worked on interpersonal skills and provided good customer service to ensure repeat visits. Two Men and a Truck, Huntsville, AL (May – August 2016) Mover: Moved heavy furniture and boxes.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Sigma Pi Social Fraternity, Moderate auto-mechanic skills, Supply Chain Management Minor.



Justin White

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WORK EXPERIENCE

Georgia Pacific, Brewton, AL (January 2017 – August 2018) Process Engineer Co-Op: Collected, analyzed and reported data; Developed paper machine PI process book; Oversaw contractors on shutdown; Researched and developed operator training. Red Fox Horse Barn, Auburn, AL (January – May 2018) Barn Hand: Responsible for care of horses and upkeep of barn and pastures. Publix, Auburn, AL (May 2014 – December 2016) Customer Service Staff: Provided premier customer service; Mentored new customer service staff.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Chemical Engineering Departmental Scholarship, Cleburne A. Basore Endowed Scholarship, Auburn University Running Club, Auburn-Opelika Running and Track Association.



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WORK EXPERIENCE

Plasma Processes, Huntsville, AL (May – August 2019) Engineering Intern: Researched materials compatibility in molten salt; Prepared equipment for molten salt electrolysis; Manufactured catalytic foams via hydrothermal deposition of platinum group metals; Assisted with preparation of SBIR reports for DOE and DOD. AMW Management, West Point, MS (August 2017 – Present) Maintenance Analyst: Maintain maintenance logs for three complexes (62 units); Match invoices to worked jobs and analyze data to determine if capital improvements might need to be made; Earth and Stone Pizza, Huntsville, AL (May – August 2017) Mobile Team Manager: Worked mobile effects; In charge of packing for events and setting up and running the mobile events.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Family Readiness, CARE Team, AIChE



Hunter Whitehurst

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WORK EXPERIENCE

Maverick Technologies, Houston, TX (May – August 2019) Controls and Automation Intern.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Presidential Scholarship, Trent Williams Endowed Scholarship, Chemical Engineering Departmental Scholarship, AIChE Car Team, AIChE Conference Committee, Omega Chi Epsilon.



Jonathan Wood

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WORK EXPERIENCE

Bioresource Lab, Auburn University, AL (January – May 2019) Research Assistant: Conducted experiments; Ran evaluative tests; Assisted with research of Pulp, Paper and Bioresource products. Resolute Forest Products, Coosa Pines, AL (January 2017 – August 2018) Process Engineer Co-Op: Troubleshot and reviewed mill-wide process data daily; Worked short and long term projects; Discovered and fixed process control issue in bleach plants which was causing inaccurate chemical charge; Designed control package for atmospheric diffuser washers. Great Clips, Orlando, FL (June 2013 – May 2015) Receptionist: Greeted and checked in customers; Answered phones; Kept store clean and sanitized combs and towels.

PERSONAL ACHIEVEMENTS & ACTIVITIES

AU Pulp and Paper Foundation Scholarship, Theodore P. Crane Memorial Leadership Scholarship, Academic Heritage Scholarship, Dean's List, Cantrell Named Scholar, Volleyball, Saxophone, Reading, Board games, Shooting.



Andrew Wysopal

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WORK EXPERIENCE

Openersplus, Costa Mesa, CA (May – August 2018) Lead Engineer: Explored paths to create new revenues; Led a project that saved the company \$40,000 and rebranded the company image. Openersplus, Costa Mesa, CA (May – August 2017) Sales Engineer: Pre-Sale quotes and outreach; Sales presentation; Post-sale follow up; Attended tradeshow as one of the faces of the company; Designed and created products for customers. Openersplus, Costa Mesa, CA (June 2014 – August 2016) Associate: Product assembly/Packaging and Shipping; Operated and maintained heavy machinery.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn University Charter Scholarship, Phi Eta Sigma, Sigma Phi Epsilon Fraternity.



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WORK EXPERIENCE

LJCC, Birmingham, AL (May – August 2019) STEM Camp Unit Head: Organized, planned and conducted STEM-based activities for youth summer camp (K-8). Ascend Performance Materials, Pensacola, FL (May – August 2018) Production Engineering Co-Op III: Designed a plant test to optimize a newly installed centrifuge automated-wash system; Constructed an accurate hydraulic model of a crystallizer feed system using modelling software; Utilized Minitab data analysis software to explore development of a ratio-controlled feed injection system. Ascend Performance Materials, Decatur, AL (September – December 2017) Manufacturing Engineering Co-Op II: Developed web-based SharePoint site to document and rationalize alarms for process control system optimization; Participated in high priority RCA on failure of critical shell and tube heat exchanger; Created interactive tool that allows shift supervisors and operators to easily identify out-of-limits parameters. Ascend Performance Materials, Chocolate Bayou, TX (January – May 2017) Manufacturing Engineering Co-Op I: Performed MSA to determine optimal steam usage; Participated in PHA on a major unit, closed out unresolved scenario; Worked through site-wide turnaround, personally entered and inspected a wide variety of process equipment.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Auburn Founders Scholarship, Dean's List, Honors College, United Way/Ascend Cares Community Outreach.



Jackson Zodrow

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WORK EXPERIENCE

WestRock, Lanett, AL (August 2017 – May 2019) Process Engineer Co-Op: Six Sigma Yellow Belt; Project leader with estimated annual savings of \$28,000; VBA database development; OSHA Safety Team leader and chemical hazard analysis. Papa Murphy's Pizza International, Mobile, AL (May – August 2015) Crew Member: Management of ingredient inventory; Customer service; Restaurant housekeeping and organization; Food preparation. YMCA, Mobile, AL (August 2012 – May 2014) Soccer Referee: Field preparation and ensured safety guidelines were met; Understood rules to ensure fairness to players; Upheld respect towards parents and players as a representative of the YMCA.

PERSONAL ACHIEVEMENTS & ACTIVITIES

Spirit of Auburn Founders Scholarship, Dean's List, Baker High School "Prayer at the Pole" Co-Founder and Speaker, The WAVE Youth Group leader and speaker, Professional Music Production, Photography and Videography.

HONORS & ORGANIZATIONS KEY

ACS: American Chemical Society

AEP: Alabama Power Academic Excellence Program

AIChE: American Institute of Chemical Engineers

AED: Pre-Med Honor Society

Alpha Lambda Delta: National Freshman Honor Society

ARM at AU: Alabama Rural Ministry

BMES: Biomedical Engineering Society

CHAARG: Changing Health, Attitudes, and Actions to Recreate Girls

CSO: Catholic Student Organization

Cupola: Samuel Ginn College of Engineering Student Ambassadors

Delta Epsilon Iota: Academic Honor Society

Gamma Beta Phi: National Honor Society

Golden Key: National Honor Society for Outstanding Juniors and Seniors

Kappa Kappa Psi: National Band Service Fraternity

Lambda Sigma: National Honor Society for Outstanding Sophomores

NSBE: National Society of Black Engineers

NSCS: National Society of Collegiate Scholars

NSPE: National Society of Professional Engineers

Omega Chi Epsilon: National Chemical Engineering Honor Society

Omicron Delta Kappa: Leadership Honor Society

Phi Beta Kappa: National Honor Society

Phi Eta Sigma: National Freshman Honor Society

Phi Kappa Phi: National Scholastic Honor Society

Phi Lambda Upsilon: National Chemistry & Chemical Engineering Honor Society

Phi Sigma Pi: National Honor Fraternity

Pi Gamma Tau: Top 5% of Pre-Engineers National Honor Society

PIMA: Paper Industry Management Society

SGA: Student Government Association

SHPE: Society of Hispanic Professional Engineers

SWE: Society of Women Engineers

TAPPI: Technical Association of the Pulp and Paper Industry

Tau Beta Pi: National Engineering Honor Society

Tau Beta Sigma: National Honorary Band Service Sorority

UPC: University Program Council



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