

Patsy Ann Dawson

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PERSONAL PROFILE

Hardworking and dedicated individual who can be relied upon to complete tasks effectively and efficiently. Recognized for having a positive attitude and outgoing personality. Capable of working well in dynamic and energetic environments on both group and individual projects.

EDUCATION

University of Arkansas – College of Engineering

- Candidate for Bachelor of Science in Chemical Engineering
- Minor in General Business
- Participated in Community Development Study Abroad in Belize under the Walton College of Business
- GPA: 3.94
- Anticipated Graduation: May 2019

University of Nicosia – Cyprus

- Study abroad Spring 2018; completed courses in business and engineering
- GPA: 4.0

PROFESSIONAL EXPERIENCE

Solenis LLC – Technical Sales Pulp & Paper Intern

June 2018 – August 2018; Pine Bluff, AR

- Project lead on introducing a new and cost-effective product to reduce foam on the paper machine
- Interacted with the customer regularly to build relationships and trust
- Created detailed instructions with diagrams for common laboratory testing
- Tested samples for ongoing trials
- Coded Excel files to automatically update graphs to analyze data weekly
- Took all necessary precautions to perform tasks safely

Undergraduate Research Assistant

September 2016-May 2017; Fayetteville, AR

- Worked under Dr. Fairey with the Department of Civil Engineering for a National Science Foundation funded project to examine the role of biofilm in chloraminated drinking water distribution systems

Undergraduate Research Project Lead

September 2015-March 2016; Fayetteville, AR

- Development of Responsive Polymers as Ligands to Assist in Biopharmaceutical Purification

Performed research under Dr. Qian with the Department of Biomedical Engineering to alter premade polyethersulfone membranes with copolymeric ligands and test to see if beneficial for biopharmaceutical purification

CORE COMPETENCIES

- Word, Excel and PowerPoint proficient
- Skillful in technical writing
- Experience with MATLAB and ASPEN software

MEMBER OF:

- Tau Beta Pi
- American Institute of Chemical Engineers
- Pi Beta Phi Fraternity for Women
- Engineering Career Awareness Program