BRADLEY S. LINDSAY

github.com/bslindsa   linkedin.com/in/brad-lindsay-473576152/   bslindsa@gmail.com

Summary

Bachelor of Science in Engineering with experience in chemical processes, machine equipment, and an excitement for programming and software development interested in a full-time Product Support Engineer position at OSIsoft.

Education

B.S.E., Chemical Engineering   May 2019
Arizona State University, Tempe, AZ

Technical Skills

Equipment Training: DC Arc, Hitachi SEM, Titration, Distillation columns, Scrubbers columns
Data Analysis and Statistics: Microsoft Excel, MATLAB, Simulink, JMP Statistical Software
Other: Microsoft Office, Python, SolidWorks
Certifications: Passed FE Exam, SAChE Safety Certifications, CPR and First-Aid, Six Sigma Greenbelt, OSHA trained

Employment

Engineering Assistant   08/2019-Present
Bridgestone Americas Biorubber Process Research Center
- Programmed an updated composition calculator to streamline solvent adjustment process
- Control and monitor unit operations such as distillation columns, stripper columns, scrubber columns, and other separation equipment
- Control process of extracting natural rubber from guayule plant and implement separation processes to produce quality rubber to be used in car tires
- Adjusted main rubber extraction process to extract and produce quality latex from guayule rubber cement
- Update operating and LOTO procedures to improve operational safety on site

Metallurgical Engineering Intern   05/2018-08/2018
Freeport-McMoRan Copper and Gold
- Proved self-discipline and work ability by prioritizing, initiating, and driving multiple projects to completion
- Saved $120,000 a year spent on unnecessary caustic solution and removed safety hazard through troubleshooting and applying engineering fundamentals and statistical analysis to manufacturing process trends
- Took initiative to research and select proper equipment for a large scale cleaning process in a hazardous environment

CHE 352: Chemical Engineering Junior Lab I Teaching Aide   01/2019-05/2019
Arizona State University
- Improved student learning by mentoring students and providing training on new process or equipment modifications
- Improved my network by building a strong collaborative working relationship with a broad range of associates spanning varied disciplines and responsibilities
- Promote lab safety by ensuring proper equipment setup
- Improved student understanding by running review sessions and meetings

Academic Projects

U of A, Full-Stack Coding Bootcamp   12/2021-03/2022
- Created a diverse portfolio of projects to show ability and versatility in programming projects
- Utilized Javascript, Node, and other software programming languages to develop useful apps of differing levels of complexity

ASU, CHE 432: Intro to Chemical Engineering Design   Fall 2018
- Designed plant model to synthesize ABE from corn fermentation in a team
- Developed layout and chose equipment for the process using Simulink and ChemCAD software

ASU, CHE 451: Chemical Engineering Lab   Fall 2018
- Tested strength, elasticity, and integrity of polymer materials by using mechanical testing and software analysis
- Designed and performed testing procedures to study parameter effects on partial condensation
- Deescalated team disagreements through communication and conflict resolution skills

Leadership and Community Outreach

Missionary District Leader   07/2013-07/2015
- Supervised teams to increase success by setting goals and implementing creative strategies
- Provided training through organized training meetings involving lecture and hands on practice
- Increase team cohesion through creative activities and instruction

High School Wrestling Coach   09/2018-Present
- Obtained certifications in leadership, health and safety, and C.P.R.
- Earned 2 High School AZ Wrestling State Champion titles
- Recruited to wrestle for Arizona State University

Boy Scouts of America   2001-2012
- Achieved rank of Eagle Scout