Brandon Moye

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OBJECTIVE

Self-starting engineer with an unwavering drive and commitment for professional growth. Seeking a software development position to apply self-taught coding skills and unique manufacturing experience to develop user-facing applications and solve high impact business problems.

EDUCATION

Bachelor of Science in Chemical Engineering, Minor in Biology
The University of Alabama, Tuscaloosa, AL - December 2020

SKILLS

- React
- Firebase
- JavaScript
- HTML
- CSS
- Matlab
- Sharepoint
- Microsoft Project
- Excel VBA

DEVELOPER EXPERIENCE

Training

- Mentored by a Senior Software Engineering Manager with over 10 years of experience
- Completed a 38 hour Udemy course: Build Responsive Real-World Websites with HTML and CSS

Technical Projects

- Deployed a portfolio that a contains my projects, resume, and contact information showcasing my personal style
- Developed a React app with authentication and user data syncing through Firebase
- Created a hangman game that generates hints and a list of incorrect letters previously guessed
- Developed a tic-tac-toe game that allows two players to play against each other

WORK EXPERIENCE

International Paper

Process Control Engineer | August 2022 - Present

- Developed code to streamline and automate processes by orchestrating interdepartmental coordination
- Debugged programs caused by novel process upset conditions
- Performed static analyses on code for seamless deployment
- Automated fiber reclaim to increase system reliability to save $2.7 million yearly

Front Line Leader | January 2022 – August 2022

- Led 20 team members to maintain key operating parameters and maximize production
- Set process records by instilling confidence and building rapport with team members

Process Engineer | January 2021 – January 2022

- Project lead for Braincube software installation which decreased variability and improved digital visibility
- Identified and eliminated gaps in inventory processing, resulting in over $1 million in savings
- Mentored entry-level engineers in company values and technical processes

Power Plant Co-op | January 2020 – May 2020

- Reduced chemical release by 32% through the optimization of a recovery process and by doubling system flow rates
- Saved over $385,000 annually by executing chemical trial, resulting in an equivalent output to previous system
- Volunteered in company initiative to promote STEM education for elementary students

Power Plant Co-op | May 2019 – August 2019

- Directed projects between contractors and managers, ensuring safe and efficient results of month-long shutdown
- Designed process displays and created leading indicators to prevent fire hazards observed at other mills

Pulp Department Co-op | August 2018 – December 2018

- Engineered new testing procedure to verify feasibility of potential process changes for savings of $3 million annually
- Developed standard operating procedure to eliminate overuse of raw chemicals