

# Brandon Moyer

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## EDUCATION

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### Bachelor of Science in Chemical Engineering, Minor in Biology

The University of Alabama, Tuscaloosa, AL - December 2020

Cumulative GPA: 3.60/4.00

## CODING EXPERIENCE

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### Personal Projects

- Programmed a personal portfolio that contains all of my projects, contact information, and resume
- Completed a 38 hour HTML and CSS course that concluded with a case study design page
- Created a hangman game that allows players to submit letters, generate hints, and a list of all incorrect letters guessed
- Developed a tic-tac-toe game that allows two players to play against each other

## WORK EXPERIENCE

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### International Paper

#### Pulp Department | January 2021 – Present

- Front Line Leader: led 20 crew members and maintained key operating parameters to maximize production
- Automated fiber reclaim to increase system reliability to save \$2.7 million yearly
- 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

#### Power Plant Co-op | January 2020 – May 2020

- 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
- Volunteered in company initiative to promote STEM education for elementary students

#### Power Plant Co-op | May 2019 – August 2019

- 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
- Mentored entry-level engineers in company values and technical processes

#### 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
- Aggregated departmental plans into a centralized source to ensure cross-functional projects were on schedule

### Hexcel Corporation

#### Engineering Intern | May 2018 – August 2018

- Led tablet initiative for plant optimization and digitalization of data recording procedures
- Organized parameters for international startup plant by utilizing and accumulating data from local facility
- Created safety improvements through determining root cause and mitigation of heat hazards

## ACADEMIC EXPERIENCE

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### University of Alabama | August 2015 – December 2020

- Advised prospective students and their families about university opportunities as an Honors College Ambassador
- Engineered mechanism to monitor circadian rhythm in research organisms, validating sleep disruption method

## SKILLS

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| • Languages: JavaScript, HTML, CSS, MATLAB | • Microsoft Tools: Excel VBA, Project, SharePoint |
| • SAP                                      | • Braincube                                       |