**Bryce Harrison**

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**EDUCATION**

**Bachelor of Science**, **August 2021 - May 2025**

Mississippi State University, Bagley College of Engineering, Starkville, MS

Major: Computer Engineering Minor: Global Engineering

GPA: 4.0/4.0

**RELEVANT COURSEWORK**

Differential Equations (MA 3253, Electronics I (ECE 3244), Circuits II (ECE3443), Microprocessors (ECE 3724), Data Structures and Analysis of Algorithms (CSE 2383), Digital Devices (ECE 3714)

**WORK EXPERIENCE**

**Test and Automation Intern, Summer 2022, Summer 2023**

*Raytheon Intelligence and Space,*Forest, MS

* Assisted in creating and implementing new software to test products
* Researched replacement hardware for failing equipment
* Created code for new hardware’s use with existing project
* Assisted in upgrading C++ code to work on Windows 10 machines

**Inventory Specialist**, **Summer 2021**

*Miskelly Furniture,* Pearl, MS

* Performed inventory management and cycle counting in the Miskelly warehouse
* Became forklift certified
* Wrapped, moved, organized and stocked furniture

**PROJECT WORK**

**Introduction to ECE Design II (ECE 1022)** **Spring 2022**

*Final Design Project – “Morning Math:*, Mississippi State University, Starkville, MS

* Along with a group designed an alarm clock aimed at making sure the consumer was awake
* The alarm clock would present the user with a math question and would only stop the alarm when the user answered with enough correct responses
* This project was made using an Arduino and an existing alarm clock and required programing and soldering skills

**MathWorks Math Modeling Challenge 2019, 2020**

*Mississippi School for Math and Science*, Columbus, MS

* A high school math competition a team of students tasked with mathematically modeling real-world situations
* Example task: My contribution one year was writing a python program to model efficient placements of charging stations for electric vehicles using Dijkstra’s algorithm. The result from this along with other factors were used to estimate the feasibility of electric vehicles taking over commercial trucking.
* My team received an honorable mention both years with around three percent of teams receiving this recognition

**LEADERSHIP EXPERIENCE**

**Team Captain**, **August 2022 – May 2023**

*Mississippi State Valorant Black Team*, Mississippi State University, Starkville, MS

* Organized practices and meetings in preparation for weekly matches against other schools

**Secretary**, **August 2021 – May 2022**

*Mississippi State Running Club*, Mississippi State University, Starkville, MS

* Founding member of Mississippi state’s running club
* As Secretary it was my responsibility to understand the requirements for the club to remain in maintain good standing with Mississippi State and assist in completing paperwork

**SKILLS**

Python, C++, Agile Development, SCRUM, SCPI