**James “JT” Harrison**

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**EDUCATION**

**Bachelor of Science in Electrical Engineering,** May 2025

The University of Alabama, Tuscaloosa, AL

Minor: Mathematics, STEM Path to the MBA Program, Honors College

GPA: 3.77/4.00

**SKILLS**

AutoCAD, MATLAB, SolidWorks, C/C++, Spanish (fluent)

**SELECT COURSEWORK**

Microcomputers (ECE 383), Signals and Systems (ECE 370), Power Electronics (ECE 451)

**RELEVANT EXPERIENCE**

**Electrical Co-Op,**GE Appliances*,* Louisville, KY, Spring 2024, Summer 2023, Spring 2023 (three rotations)

* Completed hardware debugging assignment for washer systems, leading to improved product
* Collaborated with team of 6 to conduct in-depth analysis of new products and identify areas for improvement
* Networked with company leaders and peers while serving at 12 local organizations
* Met or exceeded all objectives and goals set in partnership with assignment leader

**Senior Design Team Lead,** Department of Electrical and Computer Engineering, Tuscaloosa, AL, Fall 2023

* Led team of 6 peers in the design of a 12U Cube Satellite Power system with solar charging and lithium super capacitator technology
* Received superior rating from professor and selected to apply for conference presentation

**Vice President,** UANational Society for Black Engineers (NSBE), Tuscaloosa, AL, Spring 2023 – Fall 2023

* Addressed group of approximately 50 student members each week to promote professional development
* Recruited 20+ new members by publicizing organization on social media and through campus info fairs

**RESEARCH EXPERIENCE**

**Undergraduate Research Assistant**, Department of Mechanical Engineering, Tuscaloosa, AL, January – May 2022

* Interacted closely with Dr. Phillip Faculty to test electrical systems for large appliances
* Drafted report showing estimated savings using new system

**ADDITIONAL EXPERIENCE**

**Digital Tech Sales Associate,** Best Buy, Tuscaloosa, AL, May 2022 – August 2022

* Named ‘Employee of the Month’ in July 2020 based on high customer ratings
* Trained 3 new employees on products and store processes

**CAMPUS INVOLVEMENT**

National Society of Black Engineers (NSBE), Fall 2021 – Present

Institute of Electrical and Electronic Engineers (IEEE), Fall 2021 – Present

**HONORS**

President’s List (2 semesters), Dean’s List (3 semesters), Presidential Scholarship