

Ryan Harper

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Education

Bachelor of Science in Electrical Engineering

May 2024

Mississippi State University, Starkville, Mississippi

GPA: 3.90

Experience

Lab Assistant

High Voltage Lab, Mississippi State University

February 2021 - Present

- 1MV AC testing capabilities
- 10+ power companies worked with
- Testing of Power Systems, Insulators, Bushing
- Creation of test setups for companies
- Testing to IEEE Standards
- 600KV bushings, 200KV submarine cable, 160KVA Transformers

Support Equipment Intern

Northrop Grumman, Melbourne Florida

May 2023-July 2023

- Prototyped 6 DOF tables and robotics
- Developed CONOP's and Requirements of design
- Designed power and control system of project
- Created Preliminary and Final Design Reviews

Electrical Engineering Intern

Redstone Test Center, Huntsville AL

May 2022-August 2022

- MIL-STD 461, 464, 704 familiarities
- 10KW Rf Amplifiers
- EMI & EMC testing
- Network Analyzer/Spectrum Proficient

Projects

Nasa L'Space MCA

Spring 2023

- Created a full life plan for a NASA discovery class mission
- Designed a Mini-Rover to probe the Northern Polar Layers of Mars
- Worked specifically on the power generation and control system of Rover
- Flowed down and constrained design with mission requirements

Volunteer Experiences

Habitat for Humanity

Starkville MS

September 2020 - Present