

Nicholas Lawrence Gray

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Education and Qualifications

Mississippi State University: Bachelor of Science in Electrical Engineering | GPA: 3.33 / 4.00 May 2024

- Relevant Coursework: Digital Devices, Microprocessors, Intermediate Circuits, Electromagnetics, Fundamentals of Energy Systems, Intro to ECE Design, Engineering Statistics, Advanced Circuits, Signals and Systems, Feedback Control Systems I, Power System Relay Control, Capstone Design

ThinManager Certification: Logical Systems Incorporated | July 2022

Work Experience

Logical Systems Incorporated | Bartlett, TN

Engineering Intern | June 2021 – December 2022

- Assisted in design and fabrication of electrical control panels for DALS (Diagnostic Assembly Line Systems) test equipment
- Utilized drills, taps, chop-saws, shop tools, and knowledge of electrical systems to wire circuits properly and effectively
- Redlined wiring schematics to become more efficient using AutoCAD
- Debug and Input/Output checkout of DALS Run Test Stations fabricated for Otis Elevators

High Performance Computing Collaboratory | Starkville, MS

Student Researcher | May 2023 – Current

- Implemented machine learning models for image classification tasks and object detection using Python
- Utilized ArcGIS Pro to label images that were used for model testing
- Employed image augmentation techniques such as cropping to increase dataset size
- Excelled in team bonding and flexibility with diverse groups

Activities and Leadership

Pi Kappa Alpha Fraternity

Spring 2021 – Fall 2022

- Help leadership positions to better the structural dynamic of the organization
- Over 30+ hours of community service obtained
- Held fundraisers to aid local animal shelters

Theta Tau Professional Engineering Fraternity

Spring 2022 – Fall 2023

- Teamwork with a diverse group of professional engineers.

Relevant Skills

- Proficient in Python, MATLAB, Assembly language, Microsoft Office, Webex
- Working knowledge of Mathematica, C, Visual basic (VBA), Simulink
- Hands-on experience with shop tools and shop safety including 3D additive manufacturing
- Excellent in communication, leadership, giving/receiving feedback, skills utilized in both real-world applications and school environment
- Focused on lifelong learning and detail oriented