

Chase Morgan

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Skills

Languages: Java, C, C++, Python, MySQL,

Software: Linux, Windows, Microsoft Word, Microsoft Excel, Visual Studio, Git

Electrical: Oscilloscope, Wave Function Generator, Digital Multimeter, Arduino, Raspberry Pi

Education

Morehead State University - BS in Computer Sci-Computer Eng Area (GPA: 3.8)

2022 – December 2025

Relevant Coursework - Advanced Data Structures and Algorithms, Digital Electronics, Circuit Analysis

Honors and Awards

Morehead State University – Outstanding Junior in Computer Science Award

Experience

Student IT Field Technician, Morehead State University, Morehead, KY

2022 – Present

- Repaired PC's, Laptops, Macbooks, Macs, at a hardware level
- Installed and managed software on several devices
- Over the phone and in-person account management and support
- Repairing broken drivers for devices

Software Developer Internship, Custom-Built Pcs– Ironton, OH

2024-2024

- Developed Software to grade and log performance of several types of storage devices including flash drives, SSD's, and hard drives.
- Utilized flatlaf and the Java FX library to build a modern and easy to use GUI for user's to test their storage devices.
- Write several scripts to convert customers data from one email service to another using Java
- Assisted In the diagnosis of customer's computer performance using several tools such as GPU benchmarks, CPU benchmarks, custom anti-viruses, and memory testing tools

Projects

Model Rocket Payload Development

github.com/Meedoux/MSU-Rocketry-Software

- Designed a model rocket payload device to communicate with a ground system
- Wrote software to decode and graph rocket data in real time such as altitude, gyration, acceleration, and GPS location
- Wrote software to encode and transmit data efficiently on a Raspberry Pico in MicroPython
- Soldered chips to communicate with Raspberry Pico microcontroller

Wireless Firework Launcher

- Used radio chips and microcontrollers to create a firework launching system from distances up to 300 meters away
- Designed software to send commands over radio to ignite fireworks
- Designed reusable firework igniter using batteries, a lighter, and lighter fluid

Relevant Experience

Morehead State University Rocketry Club Vice President - Coordinated meetings between several different groups to collaborate on the development of rocket engine, software, and hardware design

Morehead State University ACM Student Chapter Officer - Coordinated meetings for Computer Science students to present their projects. Hosted Coding Competitions for students to compete in for prizes

Morehead State University Mentorship Program – Assisted in the development of software to control and capture data from the 21-meter satellite dish on campus. Handled encoding and writing data from the dish to CSV files and handling errors regarding reading/writing to files.