

Maxwell McGee

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Education

The Ohio State University – Columbus, Oh
Computer Science and Engineering BS

August '23 - Present
Graduating May 2027

Experience

OSU Moritz College of Law – Columbus, Oh
IT/AV Technician

September '24 - Present

- Assisting professors with setting up AV equipment and recording systems for lectures and presentations
- Manage and coordinate technical setup for large events of 70+ participants
- Providing timely IT support to faculty, staff, and students, troubleshooting and resolving technical issues

OSU Libraries – Columbus, Oh
Security Officer

August '23 - May '24

- Monitored library capacity to maintain fire code
- Provide information services to library patrons

Worthington Industries – Worthington, Oh
Design Engineer Intern

February '23 - August '23

- Created 100+ product models and drawings to meet company's new CAD standards
- Met with plant managers to facilitate product approval process
- Converted and digitized over 1,000 legacy product drawings

See3d – Columbus, Oh
Web Development Intern

August '22 - December '22

- Implemented an embedded donation system
- Programmed a web-scraper to transfer 150+ Thingiverse model details to a Shopify page
- Made UX improvements to the website homepage

Activities

Embedded Security Club
Co-Founder and Treasurer

January '24 - Present

- Managing club funds, coordinating fundraising and organizing purchases
- Teaching bi-weekly cyber security lessons (ex: serial communication, hashing, component validation)
- Recruited new members to double roster size in the first year

Projects

MakeOHI/O X
Tracking Camera

March '24

- Created an application using openCV that tracks a user's face
- Arduino that using serial inputs turned a motor to either the right or the left

Mitre eCTF '24

January '24 - April '24

Microcontroller Supply Chain Security

- Competed with a team in Mitre's embedded CTF
- Ensured security of data on medical device during build process and deployment using AES encryption
- Kept passwords and tokens confidential during deployment using SHA 256 hashing

Awards

Trustees Scholarship

Skills

Languages: Java, C, C++, Python, JS, HTML, CSS

Libraries: openCV, wolfSSL, openssl, pyCryptodome, Selenium

Computer Aided Design: Solidworks, AutoCAD, Onshape, TinkerCad, Cura

