Tyler Moody

· Sebewaing, MI · TylerPMoody@outlook.com · (989) 975-2070
http://student.delta.edu/tylermoody/webportfolio/
https://github.com/T-Moody/

Education

Saginaw Valley State University — Saginaw, MI
Bachelor of Science in Computer Science — Aug 2018 - Apr 2023

Work Experience

CU-Tech — Cass City, MI
Computer Technician — Jun 2019 - Aug 2021

- Troubleshoot hardware, software, and network issues.
- Created, removed, and managed user domain and email accounts.
- Worked on a team to build and maintain networks.
- Used a ConnectWise ticket system to manage active jobs and document work completed.
- Automated user email allow-listing using Java programming.

Projects and Competitions

Full-Stack Marketplace Website *Node.js, Express, MongoDB, REST, Git, HTML, Bootstrap*
https://tylermoodymarketplace.herokuapp.com/

- Created marketplace website where users can buy and sell items.
- Backend implements **Node.js**, **Express.js**, and **MongoDB**.
- Used console commands for **Git source control**. Created separate **branch** when adding front end.
- Users can perform various **CRUD** operations that update within the database.
- Used **Mongoose ODM** to create and work with schemas.
- Front-end dynamically displays user profile page using **EJS.** Used **bootstrap** for responsive design.
- Used bcrypt to hash user passwords. Passwords are salted with usernames.

Networked Robot *Python, OpenCV, Sockets, Threading, Hardware Programming*
http://github.com/T-Moody/NetworkRobot/

- The Networked Robot receives controller inputs over a network through the use of **sockets**.
- By using **threading**, the robot can send a video stream while simultaneously receiving inputs.
- The user controls the robot and monitors the video feed remotely over a Wi-Fi connection.

National Cyber League Competition *Java, Python, HTML, BASH, Wireshark, Hashcat VMware*
https://nationalcyberleague.org/

- Competition consisted of challenges on the topics of cryptography, enumeration and exploitation, log analysis, network traffic analysis, open-source intelligence, password cracking, scanning, web application exploitation, forensics, and wireless access exploitation.
- Consisted of an individual competition and a team competition. Placed in **top 6%** in the individual game. My primary strength on the team was finding exploitations in websites and reverse engineering software.
- This competition provided insight into vulnerabilities associated with software development.

Competencies and Skills

Programming Languages:	Java, JavaScript/HTML/CSS, C#, Python, C++, MongoDB, SQL
Frameworks and Libraries	Node.js, Express.js, Bootstrap
Tools:	Git, Trello, IntelliJ, PyCharm, Visual Studio, Hashcat, VMware, Wireshark
Hardware/OS:	Kali, Windows, Unix/Linux, Android
Professional:	Documentation, training, verbal and written communication, technical report writing, complex problem solving