Tyler Moody

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<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