

Education

Houghton, MI **Michigan Technological University** **Expected 2024**

- BS in Computer Engineering with Minor in Cybersecurity. Dept. GPA: 3.62 | GPA: 3.38
Relevant Coursework: Hardware Software Programming (C/MIPS), Data Structures and Algorithms (Java), Digital Logic (Verilog/FPGAs).

Technical Skills

- Proficient Languages: Java, Python, C, Bash Scripting, HTML/CSS
- Languages with Prior experience: Verilog HDL, MATLAB, Mathematica, MIPS, SQL
- CyberSec Tools: Ghidra, Burp Suite, Nmap, Metasploit, hashcat
- Linux Proficiency
- Web Development (Flask)
- Version Control/Git

Projects

- **Recyclebot** (https://www.appropedia.org/OSHE_Industrial_Recyclebot#Spring_2021) A robot that extrudes new filament from recycled 3D prints, created using an Arduino with a RAMPS board.
- **babel-chan** (<https://github.com/STIEBELJOSHUA/babel-chan>) Imageboard inspired internet forum made using Python's Flask framework and SQLite.

Student Orgs

Michigan Tech RedTeam

- Participated in various CTFs to improve my cybersecurity knowledge and skills
- Helped in the development of challenges for CTFs we hosted
- Furthered my knowledge of cybersecurity topics by attending conventions like DEF CON and GrrCON

Open Source Hardware Enterprise

- Took over as Project Lead of Industrial Recyclebot v2
- Completed wiring and code for the Recyclebot and wrote documentation for the project
- Gave presentations to General Motors, updating them on the development of the robot

Michigan Tech Linux Users Group

- Manage funds as treasurer
- Server admin of club shared linux server shell.lug.mtu.edu

Achievements

National Cyber League

- Spring 2021 Team Game: 3rd / 922
- Fall 2021 Team Game: 10th / 3917
- Fall 2021 Individual Game: 15th / 6475

Interests

Mountain Biking | Linux | MTG | Warhammer 40k | Snowboarding | CTFs | Biohacking | Dirt Biking