



EDUCATION

- **Michigan Technological University**, BS in Computer Engineering, current GPA **3.81**, 2022 anticipated graduation
- Various AP and PSEO classes in high school
- **Art of Problem Solving** math curriculum in high school
- Certificate of Merit from Michigan Tech Mathematics Department

WORK EXPERIENCE

Machine Operator @ Seagate (2018)

- Supported operations for hard drive head wafer manufacturing
- Transferred wafers between cleanrooms to insure a continuous flow of material, optimizing production capital utilization
- Operated wafer inventory software

Cashier @ Microcenter (2017)

- Checked out customers and provided friendly interactions
- Increased revenue by selling service plans
- Learned about retail software

PROJECTS

- TuyAPI, a collaborative open-source project enabling control of low cost IoT devices utilizing an event driven, asynchronous methodology (downloaded nearly 8,000 times according to NPM)
- A smart washer system for Michigan Tech dorms that displays the current status of washers and notifies users when their load is done via a Discord bot, utilizes TuyAPI, Node.js, and MongoDB
- 2016, 2017, and 2018 object-oriented, Python codebases for #3299's robot
- A Google Assistant Action for Michigan Tech dining halls utilizing Dialogflow, Docker containers, and Node.js
- Administered home network and NAS server, utilizing Ubiquiti routers, Unraid, and Docker containers

OTHER EXPERIENCE

- Volunteered in various functions for FIRST FLL competitions from 2015 to 2017
- Co-Captain and lead programmer of FIRST Robotics Competition team #3299
- Lived in China for 7 months

Collaboration ● ● ● ●
Problem solving ● ● ● ● ●
Leadership ● ● ●

SKILLS

Node.js ● ● ● ● ●
Python ● ●
Git ● ● ●
Linux ● ● ●
Docker ● ● ● ●
Java ● ● ●
HTML ● ● ● ● ●
(S)CSS ● ● ● ● ●