

Max Isom



github.com/codetheweb

612.413.6341
hi@maxisom.me

EDUCATION

- **Michigan Technological University**, BS in Computer Science with a minor in Mathematics, current GPA **3.8**, 2022 anticipated graduation
- Certificate of Merit from Michigan Tech Mathematics Department

WORK EXPERIENCE

Software Development Intern @ JopeHome (a smart home startup) (2019)

- Architected and developed the backend of an IoT smart home app, acted as a hub for multiple different manufacturers and device types
- App supported device triggers, routines, and schedules
- Utilized AWS, Serverless, Semaphore CI/CD, testing frameworks, Node.js, and Git
- Used Agile methodology
- Collaborated with a global team, integrating backend with Alexa and app

Machine Operator @ Seagate (2018)

- Supported operations for hard drive head wafer manufacturing

Cashier @ Microcenter (2017)

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 ● ● ●

PROJECTS

- TuyAPI, a collaborative open-source ecosystem
 - Enables control of low cost IoT devices
 - Utilizes an event driven, asynchronous methodology
 - Downloaded over 30,000 times according to NPM
- Several Michigan Tech related projects, including
 - A prototype implementation of a smart washer system for the dorms
 - Redesigns of the Film Board's website (in progress) and the Open Source Hardware Enterprise's website
 - Packages to scrape courses, stream from webcams, and get dining hall menus

SKILLS

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