

Education

Michigan Technological University

- BS in Computer Science
- Minor in Mathematics
- **3.7** GPA, graduated in fall 2021
- Dean's List for 7/7 semesters

Experience

Freelance Software Developer (2021-)

- Worked with a variety of clients on solutions
- Primarily used frontend technologies (TypeScript, Next.js, CSS Modules)

Research Assist. @ Michigan Tech (2020-21)

- Developed a desktop app allowing people using eye tracking and other alternative input methods to submit previously inputted text
- Data is used to train and improve predictive language models
- Uses sealed box encryption to protect data
- Utilized AWS, Electron, and GitHub Actions

Software Dev. Intern @ JopeConnect (2019-2020)

- Used Agile methodology
- Utilized AWS, Semaphore CI/CD, React Native, Serverless, Node.js, testing frameworks, and Git
- Collaborated with a global team
- 2020: architect & UI implementer
 - Primary developer for a telehealth app (iOS and Android) that included messaging and video call functionality
 - Architected it such that it would be easy to maintain and add new features
- 2019: lead architect
 - 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

Projects

- TuyAPI, a collaborative open-source ecosystem
 - Enables local control of thousands of low cost IoT devices
 - Utilizes an event driven, asynchronous methodology
 - More than 300k NPM installs of TuyAPI + related packages
 - Fostered an open-source community around Tuya products
- XKCDY, a modern and open source iOS client for the xkcd webcomic
 - Written in Swift & SwiftUI
 - Focused on providing an extremely polished user experience
 - >4k downloads
- Michigan Tech Courses, a webapp for students to easily plan their semesters
 - Search-based interface
 - > 13k lines of code
 - Integrates pass/fail/drop data (not normally available) and professor ratings
- See maxisom.me for more details on each

Skills

- TypeScript
- Python
- Rust
- React
- C/C++
- CI/CD
- S(CSS)
- Linux
- Git
- Swift / SwiftUI
- AWS
- Reverse
- Docker
- Kubernetes engineering

Activities

- Treasurer & tech lead for Keweenaw Kube (2020-2021)
- Co-Captain and lead programmer of FIRST Robotics Competition team #3299
- FIRST FLL volunteer (2015-2018)