Max Isom

612.413.6341
hi@maxisom.me
github.com/codetheweb

Education

Michigan Technological University
- BS in Computer Science
- Minor in Mathematics
- GPA **3.67**, fall 2021 anticipated graduation
- Dean's List for 5/5 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
- Muse, a self-hosted Discord music bot
    - Uses inversion of control
    - 🚜 midwestern personality
    - Well-organized so it's easy to add new commands
- 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
- Co-Captain and lead programmer of FIRST Robotics Competition team #3299
- FIRST FLL volunteer from 2015 to 2018