

ALEX WAPNIARSKI - Software Engineer

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SKILLS

Languages	JavaScript Python Swift HTML5 CSS3
Front End	AngularJS jQuery AJAX Bootstrap Materialize
Back End	Node.js Flask Express.js Socket.IO AWS EC2 Nginx
Database	MongoDB MySQL SQL NoSQL
Software	Git Xcode Unix Linux Photoshop Illustrator
Misc	Scrum AutoCAD PTC Creo SolidWorks 3D Studio Max Microsoft Office Suite

PROJECTS

Typing Dojo <<http://typing-dojo.alexw.tech/>>

2016

- Typing Dojo is a typing game that lets users race against other users in real time using web sockets. Typing Dojo is a solo project that demonstrates the full MEAN stack.
- Technologies used: JavaScript, MongoDB, Express.js, AngularJS, Node.js, Socket.IO, jQuery, Materialize, AWS EC2, Git, HTML, CSS.

Crime Dodger <<http://crime-dodger.alexw.tech/>>

2016

- Lead developer on a team project that utilized Data.gov information and Google Maps API to map crime throughout the city of San Francisco and generate directions.
- Primarily responsible for delegating tasks, version control, deployment, Socrata Open Data, Google Maps JavaScript API.
- Technologies used: JavaScript, Python, MySQL, jQuery, HTML, CSS, Bootstrap, MVC, AWS EC2, Git, Socrata Open Data, and Google Maps JavaScript API.

User Dashboard <<http://user-dashboard.alexw.tech/>>

2016

- Solely created an application that demonstrates an MVC Framework, login with registration, validation, Bootstrap, and a relational database.
- Technologies used: Python, MySQL, Flask, Pylot (MVC Python Framework), Bootstrap, AWS EC2, Git, HTML, CSS

Snippet <<https://github.com/alex-wap/snippet>>

2016

- Snippet is an iOS application that allows the user to write and store code snippets. It is a text editor with a built-in chat feature to share your code with others around the web. It uses a custom keyboard and web sockets. Snippet is a team project.
- Primarily responsible for implementation of web sockets in iOS, implementation of Node.js server for web chat, version control, and auto layout.
- Technologies used: Swift, JavaScript, Express.js, Node.js, Socket.IO, Xcode 7.3.1.
- iOS Concepts: Storyboard, Auto Layout, Table View, Custom Cell, Core Data (Data Persistence), Tab View Controller, Navigation Controller, Protocols, Delegates, CocoaPods.

EXPERIENCE

Coding Dojo

San Jose, CA

Resident Engineer

2016-Present

- Developed an iOS application with an instructor to teach students core concepts in Swift and iOS development <<https://github.com/alex-wap/iosGlossary>>
- Deployed multiple web applications to the same AWS EC2 instance using subdomains and Nginx as a reverse proxy; Created a tutorial for the process <<https://github.com/alex-wap/subdomains>>
- Deployed 6 Amazon Alexa skills to the Amazon Alexa App Store <https://github.com/alex-wap/alex_skills>
- Trained in Scrum development framework and agile development at FMFA inc.
- Working as Teaching Assistant for students in immersive, full stack web development program.

Industrial Electric Manufacturing

Fremont, CA

Design Engineer

2011-2016

- Designed 60+ switchgear assemblies with the Product Development team
- Produced 200+ technical drawings for prototypes, bus bars, and sheet metal assembly designs
- Programmed and validated 1100+ G-Code files for CNC machines to manufacture sheet metal components
- Conducted 100+ BIL (Basic Impulse Level) tests, corona tests, and temperature rise tests, for switchgear equipment for UL certification at KEMA (Chalfont, PA), Schneider Electric (Cedar Rapids, IA), and IEM.
- Assisted and supported Production Team to produce 500+ switchgear sections for data center applications
- Trained remote employee to use Creo software for 3D design and technical drawing creation

EDUCATION

Coding Dojo

San Jose, CA

Immersive, full stack web development program. 1200+ hours of coding experience.

2016

University of California, Berkeley

Berkeley, CA

Bachelor of Science, Mechanical Engineering

2007-2011

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