

# Alex Wapniarski

## Software Engineer

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Santa Clara, CA

[alexw.tech](http://alexw.tech)

[github.com/alex-wap](https://github.com/alex-wap)

### 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  
RESTful

### Databases

MongoDB  
MySQL  
SQL  
NoSQL  
MAMP

### Software

Git  
Xcode  
Unix  
Linux  
Photoshop  
Illustrator

### Misc

Scrum  
Agile  
AutoCAD  
PTC Creo  
SolidWorks  
3D Studio Max  
MS 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. It 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

### Experience

#### Coding Dojo, San Jose, CA — Resident Engineer

2016-Present

- Developed and deployed an iOS application with an instructor to teach students core concepts in Swift and iOS development <<http://itunes.apple.com/us/app/ninja-flash-cards/id1188158894>>
- 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>>
- Trained in Scrum development framework and agile development at FMFA inc.
- Assistant Instructor for students in immersive 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

### Education

#### Coding Dojo — San Jose, CA

2016

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

#### University of California, Berkeley — Berkeley, CA

2007-2011

Bachelor of Science, Mechanical Engineering