Alex Wapniarski
Software Engineer

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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
Mongoose
MAMP

Software
Git
Xcode
Unix
Linux
Photoshop
Illustrator

Misc
Scrum
Agile
AutoCAD
PTC Creo
SolidWorks
3D Studio Max

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