

Alex Wapniarski

Software Design Engineer

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Santa Clara, CA

alexw.tech

github.com/alex-wap

Languages

JavaScript
Python
C#
Swift
HTML5
CSS3

Front End

AngularJS
jQuery
AJAX
Bootstrap
Materialize

Back End

.NET
Node.js
Django
Flask
Socket.IO
AWS EC2
Nginx

Databases

MongoDB
MySQL
SQL
NoSQL
Mongoose
MAMP

Software

Visual Studio
Git
Xcode
Unix/Linux
Windows/Mac
Photoshop
Illustrator

Misc

Agile/Scrum
AutoCAD
PTC Creo
SolidWorks
3D Studio Max

Experience

Microsoft, Redmond, WA — Software Design Engineer

Feb 2017-Present

- Active contract employee with InConsulting Inc. as a Software Design Engineer for Microsoft in the Artificial Intelligence and Research Group.
- Member of Agile software development team practicing Scrum and source control via Visual Studio Team Services.
- Implemented back-end features for web application in C# & .NET framework.
- Designed mobile-responsive web pages and webviews using Razor View Engine, jQuery, Twitter Bootstrap, and JavaScript.
- Integrated third party API for specific features and built corresponding test cases.

Coding Dojo, San Jose, CA — Assistant Instructor

Oct 2016-Feb 2017

- Promoted to paid position as an Assistant Instructor available to the top 1% of Coding Dojo students.
- Tutored students in Python, Django, and iOS development and presented live demos of assignments.
- 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>>
- Developed a guide for submitting an application to the Apple App Store <<http://github.com/alex-wap/app-store>>
- 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>>

Industrial Electric Mfg, Fremont, CA — Design Engineer

May 2011- June 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

Personal Projects

Ninja Flashcards <[App Store](#)>

2016

- Ninja Flashcards is an iOS application built by two developers that teaches the user core concepts in Swift and iOS development via flashcards. Technologies used: Swift 3 and Xcode 8.1.

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.

Education

University of California, Berkeley — Berkeley, CA

2007-2011

Bachelor of Science, Mechanical Engineering