

# Alex Wapniarski

## Software Design Engineer

(740) 377-8624

[wapniarski@gmail.com](mailto:wapniarski@gmail.com)

[linkedin.com/in/wapniarski](https://www.linkedin.com/in/wapniarski)

Santa Clara, CA

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

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