# Summary

Detail-oriented, quick-learning and self-motivated web developer with a background in software development and bioengineering research. Team player often seeking out opportunities for leadership roles. Looking to use my abilities to help my team, company and others.

# Technical Skills

**Languages**: JavaScript, Python, Ruby, HTML5, CSS3, MATLAB, Java, R, SQL

**Frameworks**: AngularJS, Express.js, Socket.io, Django, Flask, Rails, Twitter Bootstrap

**Databases**: MySQL, SQLite, PostgreSQL, NoSQL, MongoDB, Mongoose.js, Building ERDs

**Other:** GitHub, jQuery, node.js, Sass, Haml, Ajax, TDD, OOP, RESTful architecture, MVC/MTV, COMSOL, LabView, Image J, Latex, Inventor, AutoCAD, NUPACK, SolidWorks, AWS(EC2), SDLC, Agile Project Management

# Web Development Experience

## Coding Dojo, *Full-stack Web Development Resident* Dallas, TX | Sep. 2017 – Jan. 2018

Completed intensive, full-time web development program with well over a 1000 hours of work building various web applications in Python, MEAN and Ruby.

**projects**

**Events** – Meetup style web app that allows users to register and create events. Users may also edit profiles and events, invite other users or join events made by others. Built from scratch over the course of a week while incorporating test driven development and RESTful practices. Deployed using Amazon web services (EC2).

*Tech – Ruby on Rails, JavaScript, jQuery, Twitter Bootstrap, CSS3, Sass, HTML5, PostgreSQL*

**Reddit Clone** – Hackathon winning project with the prompt to build a functional Reddit copy including login/registration, moderators, subreddits, posting, commenting, direct messaging and validation. Built from the ground up in a three man team over the course of one weekend.

*Tech – Python, Flask, MySQL, Twitter Bootstrap, HTML5, CSS3, JavaScript, jQuery*

**Fuzzytime Pip Module** – Published python package that converts datetime, date, time, epoch or strings into a fuzzy timestamp akin to ‘about an hour ago’. Built and published over the course of a day and further optimized with a binary search algorithm. Pip installable by anyone running Python 2+.

*Tech – Python, PyPI through twine*

# Research Experience

Seattle Children’s Hospital / UW,***Team Engineer*** Seattle, WA | Jan. 2017 – Jun. 2017

Designed and prototyped an easily adjustable intubation ramp for usage on patients of all ages and body types. Authored a design report detailing need, goals, prototype design, test methods and results. Presented at a research symposium. Design patent pending.

Carothers Research Group / UW, ***Undergraduate Researcher*** Seattle, WA | Apr. 2016 – Jun. 2017

Self-motivated research on DNA gate functionalized gold nanoparticles and strand displacement kinetics for use in biosensor mechanisms and drug delivery. Authored research report detailing motivations, experimental design, results and discussion.

# Education

**Coding Dojo** Dallas, TX | 2017 – 2018

Full-stack Web Development (Python, MEAN, Ruby)

**University of Washington** Seattle, WA | 2013 – 2017

Bachelors of Science in Bioengineering

US Citizen ‣ Willing to relocate ‣ References available upon request