

SOFTWARE ENGINEER · MAKER OF THINGS

Education

Sept. 2010 - June 2014

- Sept. 2014 - Expt. Spring. 2018

- ## Skills

Git, Docker, Neo4j, Postgres, MongoDB, Heroku, Joyent/Triton, AWS S3

Experience

July 2016 - PRESENT • 1 yr 7 mos

July 2015 - July 2016 • 1 yr

Mar 2015 - Aug 2015 • 6 mos

Jun 2013 - Jan 2014 • 8 mos

Apr 2012 - Mar 2014 • 2 yrs

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Graduate & Undergraduate Teaching Assistant

Bellingham, WA

WESTERN WASHINGTON UNIVERSITY

Sept 2011 - Mar 2015 · 3 yrs 6 mos

Taught Intro to Robotics (C), Programming II & Linear Data Structures (Java), and Formal Language & Functional Programming (Lisp/Racket)

- Wrote grading scripts for building, compiling, and testing Java programs.
- Designed and wrote a new lab sequence in racket providing students with failing tests for code to implement.
- Frequently lectured in labs, ran extended office hours, and maintained excellent student reviews.

Projects

The Great Puzzle Hunt

<https://greatpuzzlehunt.com>

LEAD SOFTWARE ENGINEER & CO-FOUNDER

June 2015 - PRESENT · 2 yrs 5 mos

A yearly event drawing around 500 people to Western Washington University to play in a five-puzzle team scavenger hunt around the campus.

Teams and volunteers use smartphones to compete on a real time game platform.

- Client application in ReactJS backed by Meteor and Rails API. Deployed on Digital Ocean behind Nginx for forced TLS.
- Volunteers scan team QR codes to track puzzle start times. Teams solve and enter puzzle answers in the application.
- The web application handles registration/user management, payment webhooks, team formation, ticket redemptions, real time scoring and gameplay, and administration tools.

Codelily Code School - Startup Weekend

Bellingham, WA

SOFTWARE ENGINEER/CO-FOUNDER

Sept 2014 - Sept 2015 · 1 yr

A Startup Weekend Challenge idea to create a code school with a focus on accessibility for youth and people switching careers.

- Won crowd favorite at Bellingham Pitchfest Feb 2015.
- Managed a team of four WWU Computer Science seniors building the CodeLily demo platform (similar to CodePen) with AngularJS and NodeJS/Express.

Uzility Agile Kanban System - Startup Weekend

Bellingham, WA

SOFTWARE ENGINEER

Dec 2013 - Nov 2014 · 9 mos

Uzility was a web based agile software development kanban tool.

- Worked alongside a former CTO of Emergency Reporting learning agile and scrum methodology.
- Cool thing 2