Samuel Wolfson

206.601.5615 / wolfson@uw.edu
samwolfson.com / github.com/terabyte128

Summary

Education: University of Washington, B.S. Computer Science (expected graduation June 2019)
Languages: Java, Ruby, JavaScript, HTML/CSS, Python, LaTeX, C.
Frameworks: Ruby on Rails, ExpressJS, Sequelize, Django.
Environments: Git, UNIX/Linux command line, SQL (PostgreSQL).

Relevant Coursework (* denotes in progress)

- Computer Programming I/II
- Hardware/Software Interface
- Foundations of Computing I/II
- Data Structures & Parallelism
- Programming Languages
- Software Design & Implementation *
- Systems Programming *

Projects & Activities

Proof Verifications — Summer 2017 (NodeJS, ExpressJS, Sequelize, HTML/CSS, JS/jQuery)

- I worked with a UW CSE faculty member on his research, and developed a website where students can verify correctness of proofs by annotating them and selecting templates for common errors.
- This helps students to better understand how and why they make mistakes in their own proofs.

Listify — Summer 2017 (Ruby on Rails, PostgreSQL, frontend)

- I built a shareable, collaborative, list-making website where anyone can create and share a list, no account required.
- Listify also allows collaborators to enter costs for items on the list, and will calculate a solution which greatly reduces the number of transactions required to settle money owed between collaborators.

First Robotics Competition Team 4030 — Lead Web Developer, 2013-2015 (Django, PostgreSQL, frontend)

- Led a team of 3-4 people in the development of an open-source, web-based, aggregated data collection and processing application to track competitors' strengths and weaknesses.
- Our site integrates with Tableau for data visualization, and was used by over 500 teams during the 2015 competition season.

Sloth Pages — 2015 (Django, PostgreSQL, frontend)

- Students at my high school were frustrated at the clunky and unintuitive website that the district used for student-teacher communication, so I worked with one of my teachers to develop a more intuitive site, allowing teachers to post information about class announcements, assignments, links, and files.

Work and Volunteer Experience

UW CSE Teaching Assistant (Hardware/Software Interface), 2017

- Led section once a week as well as two office hours, where I answered students' questions and explained concepts that are relatively foreign to most students, as this course is one of the first introductions to hardware.

Progressive Tech (Seattle, WA) – Computer Repair Technician & Internal Support Specialist, 2009-Present

- Performed hardware and software diagnostic work on Windows, macOS, and Linux systems, including servers.
- Developed scripts for network booting of hardware diagnostic tools. (PXE/iPXE, DHCP networking, Linux.)
- Created web-based software tools for streamlining and standardizing repair quotes. (HTML/CSS, JS/jQuery.)
- Prototyped a new order and customer management system. (Ruby on Rails, PostgreSQL.)
- Helped to design and build out new networking infrastructure, including virtualization. (Networking, VMware ESXi.)

Tutoring and Independent Consulting

- Worked with children and adults, tutoring in math, programming, and computer skills.
- Performed independent computer repair and web development work for individuals and businesses.

Canoe Island French Camp (Canoe Island, WA) – Maintenance Volunteer, Summer 2014

- Worked in a small group to maintain and improve camp facilities.

References: available upon request.