

Josh Zhanson

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Education

Carnegie Mellon University | Pittsburgh, PA

B.S. in Computer Science

Minor in Machine Learning

Graduating **May 2020**

Cumulative QPA: **4.00**

Dean's List: Fall 2016, Spring 2017, Fall 2017

Coursework

15-213 Introduction to Computer Systems ~ C

15-210 Parallel and Sequential Data Structures ~ SML

15-251 Great Theoretical Ideas in Computer Science ~ Python

15-150 Principles of Functional Programming ~ SML

Experience

Vizio | Software Development Intern

May 2017 - Aug 2017 | Seattle, WA | Agile

- Wrote **JavaScript** and **Python** test scripts for RESTful TV APIs with **Postman**, increasing size of HTTP request collection from 164 to 1023
- Configured and managed **Jenkins** continuous integration server to resolve custom build dependencies and versioning with **Gradle** to publish build artifacts to custom **Maven** repository run using **Docker**
- Developed front-end testing interfaces for **iOS** and **Android**

ScottyLabs | Director of Events

September 2016 — present

- Elected **Director of Events**, leads planning of Web Dev Weekend, CrashCourse, and annual 400+ attendee hackathon TartanHacks
 - Wrote and delivered educational talks/tutorials for **Swift**, **iOS Development**, **Bash**, and **Git/GitHub**
 - Developed iOS app in **Swift** with share extension for printing to Carnegie Mellon printing queue
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Projects

Junior Varsity Computer Science | December 2017 - present | blog.jzhanson.com

- Maintains a blog, explains basic machine learning and deep learning principles, summarizes recent papers, walks through programming interview questions on a weekly basis

CDSMap | **Battle of the Hacks v4.0** - June 2017 | a16z

- Wrote shell scripts in **Bash** and **Python** to crawl Congressional district information from Census APIs
- Assisted in web app design with **React** and **Node.js**

ClassroomQR | **TartanHacks** - February 2017 | ScottyLabs

- Led design, implementation, and source control of iOS education app using **Swift** that brings the benefits of educational voting technology to resource-poor classrooms with a speedy high-volume QR code reader
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Skills

Languages: Python ~ Javascript ~ Java ~ C/C++ ~ Bash/UNIX ~ Swift ~ HTML/CSS ~ SML ~ LaTeX

Technologies: Docker ~ Jenkins ~ Git/GitHub ~ Maven/Gradle ~ AlamoFire ~ jQuery

Fun Facts

I love to hike! Favorite hikes: Mailbox Peak, WA; Paradise, Mt. Rainier.

I've performed improv comedy since high school! I go to No Parking Players improv workshops twice a week.

Trail running is my favorite way to get fit! Likes: uphill running. Dislikes: downhill running.