

## Education

### University of California, Berkeley

B.S. in Electrical Engineering and Computer Science (GPA: 3.74)

Aug 2016 - May 2020

**Courses:** Algorithms (170)      Artificial Intelligence (188)      Computer Architecture (61C - C)  
Data Structures (61B - Java)      Database Systems (186)      Software Engineering (169 - Rails)  
Discrete Math & Probability (70)      Intro to Data Science (C8)      Computer Programs (61A - Python)

## Experience

### Hotwire, Inc. (Expedia Group) Software Development Engineer Intern (June - August 2019)

- ▶ Built Java Spring Boot micro service with REST endpoint for hotel room availabilities and prices while revamping legacy code
- ▶ Designed common JSON request / response format to unify code of different hotel search services
- ▶ Deployed HTTPS-secured service using AWS CloudFormation and Jenkins pipeline

### Learning Traffic Lab Undergraduate Researcher (Sept 2018 - May 2019)

- ▶ Maintaining Flow, an open source Python framework for deep RL in autonomous vehicles and performing experiments to improve traffic, collecting data and implementing algorithms
- ▶ Developed Node Express.js web application and filesystem database API to display a dynamic leaderboard using EJS and integrate with a solution submission pipeline

### Faraday Technology Software Development Intern (June - July 2018)

- ▶ Developed IntelliJ plugins using Java and built a Swing UI wizard with multiple screens for code parsing and generation, and a template generator for Java Spring web applications
- ▶ Built a scheduling UI and cron parser with JS, JQuery, Bootstrap for building and editing cron strings
- ▶ Upgraded Angular web application from v4 to v6, fixing bugs and dependency conflicts

### Pioneers in Engineering Web PM / Developer (2016 - 2018), Software Developer (2016 - 2017)

- ▶ Maintained <http://pioneers.berkeley.edu> and respective Github repo, issues, PR's and trained new developers, many of whom with little coding experience, to use Jekyll, Github, Javascript, Bootstrap
- ▶ Developed UI and features for robot-interfacing desktop IDE app using React, Redux, ES6, Electron

## Skills

**Programming Languages:** Python, Java, JavaScript, Ruby, C, SQL, HTML, CSS

**Front-End:** React (ES6), Redux, JQuery, Angular, EJS, HAML, ERB, Bootstrap, SASS

**Back-End:** Node, Express.js, Ruby on Rails, Java Spring, Oracle SQL / MySQL, Java Spring, AWS EC2

**Data/ ML:** NumPy, matplotlib, Apache Spark, Ray/RLlib, Sklearn

**Other:** Git, Testing Libraries, Build Tools (Jenkins), Travis CI, UNIX, Windows, VM / Docker

## Projects

### MultiMeet Demo MVP | CS 169 Pro Bono Project (February - May 2019)

- ▶ Built Ruby on Rails web application hosted at [multi-meet.herokuapp.com](http://multi-meet.herokuapp.com) in a team of 6 that uses startup MultiMeets's matching algorithm for optimized team scheduling
- ▶ Led and managed team meetings, sprints, task assignment and pointing, retrospectives, and standup