

# Austin Leung

austinle@cs.cmu.edu | (917) 943-1081 | <https://austinleung.me>

## Education

---

### Carnegie Mellon University

B.S. – Information Systems, Minor in CS, Minor in Software Engineering (GPA: 4.0/4.0)

Pittsburgh, PA

Aug 2018 – May 2022

Relevant Coursework: Application Design and Dev, Software Engineering for Startups, Database Design and Dev, Computer Systems, Functional Programming

## Professional Experience

---

### Pluralsight

Incoming Software Engineer Intern

Remote

May 2020 – Present

### CMU School of Computer Science

Teaching Assistant - 15-122 Principles of Imperative Computation

Pittsburgh, PA

Aug 2019 – Present

- Teach data structures and algorithms along with C programming concepts to 500 students each semester
- Lead weekly labs & recitations, participate in grading sessions, and hold office hours

### MultiComp Lab - CMU School of Computer Science

Data & Machine Learning Research Assistant

Pittsburgh, PA

May 2019 – Present

- Explore web data crawling mechanisms to compile and release multimodal datasets
- Build deep learning multilayer perceptrons and convolutional neural networks with PyTorch to extract computational descriptors and detect multimodal patterns

### Adagio Digital Guitar School

Technology Intern

Pittsburgh, PA

May 2019 – Oct 2019

- Led initial design and development of Adagio's website and initial features to reach minimum viable product for customers and investors

## Projects

---

### TextLive

- An Android app on the Google Play store that allows you to call people and have a continuous text conversation via sockets.
- Worked with React Native, Node/Express, and MongoDB to integrate user login and registration with profile and contacts.

### The Reddit Sentiment Analyzer | 1<sup>st</sup> Place - CodeDay Pittsburgh Spring 2019

- A web app and Google Chrome extension using React to visualize colorized sentiment of subreddit submission titles, comment chains, or a user's activity retrieved from the Reddit API
- Utilized IBM's Tone Analyzer API with Express.js and Node.js to analyze comment and submission text, assigning colors corresponding to different emotions and intensities

### Stork

- A web platform to connect people in need with supplies during times of disaster
- Integrated React and Google Maps API for the front-end with Google Firestore, Websocket, and Flask for the back-end to create a real-time display of victim location and needed items

## Technical Skills

---

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

**Technologies and Applications:** Git, Rails, React, React Native, Vue, Node.js, Express.js, Travis CI, PostgreSQL, PyTorch