

Eric Leong

415-361-0558

leong.eric17@berkeley.edu

[linkedin.com/in/eric-leong](https://www.linkedin.com/in/eric-leong)

Berkeley, CA

ericleong.herokuapp.com

github.com/mageofboy

EDUCATION

University of California, Berkeley | B.A. Computer Science & Data Science (Est. May 2021) • GPA: 3.9/4.0 • UPE (CS Honor Society)

Relevant Coursework | Data Structures, Algorithms, Operating Systems, Machine Structures, Computer Security, Artificial Intelligence
Machine Learning, Data Science, Probability, Convex Optimization, Database Systems, Intro Computer Vision

SKILLS

- **Languages** | Python (NumPy, Pandas, PyTorch, Scikit-learn, TensorFlow), Java, JavaScript, HTML/CSS, C, SQL, Go, Hack
- **Technologies** | React, Redux, Node.js, Jest, Docker, Jenkins, Git, BeautifulSoup, Android, Firebase, Django, Bootstrap

EXPERIENCE

Slack Technologies | Software Engineering Intern | May 2020 - Aug. 2020

Frontend (Files team) • React, Redux, JavaScript, HTML/CSS, Jest, Hack (PHP)

- Shipped core feature improvements and bug fixes to improve info-sharing experience on Slack, increasing overall sharing by 10%.
- Improved message and file sharing experience by adding drafting functionality and expanding drafting support to message attachments.
- Collaborated with core product & design to create feature prototypes and carry out experiments, increasing unique users of info-share by 80K.
- Implemented data logging in file action events, significantly improving coverage of metrics used for monitoring feature experiments.

Symantec | Software Engineering Intern | Jun. 2019 - Aug. 2019

Backend (Android team) • Python (NumPy, Pandas, Scikit-learn), Kotlin, Jenkins, Docker

- Improved Android anti-virus app performances by revamping internal performance testing tools to accurately detect performance impact.
- Automated the performance testing process for continuous integration of Android apps, by integrating the internal tool with Jenkins.
- Created a model that accurately determines performance impacts of UI changes using time series analysis and statistical testing.

Harness | Software Engineering Intern | Nov. 2018 - Feb. 2019

Full Stack • React, JavaScript, Django, PostgreSQL

- Collaborated in developing a messaging system by integrating Sendbird API with the PostgreSQL database, designing the front-end messaging interface, and creating unit tests and integration tests.

UC Berkeley RISE Lab | Undergraduate Researcher | Aug. 2020 - Present

Python, TensorFlow, PyTorch, CARLA

- Working to improve lane detection for Pylot, an autonomous driving platform interfacing with CARLA, using machine learning and computer vision techniques. Conducting research under Professor Joseph Gonzalez.

UC Berkeley EECS Department | Course Group Tutor | Jan. 2020 - Present

Python (NumPy, Pandas, PyTorch), SQL

- Facilitate in teaching Data 100 (intermediate data science) by holding office hours, organizing tutor sessions, and grading assignments for classes of 1000+ students.
- Assist with teaching CS 189 (introductory machine learning) at discussion sections, office hours, and homework parties.

IEEE Berkeley Student Branch | Web Committee Director | Jan. 2018 - Jan. 2020

React, Node, JavaScript, HTML/CSS

- Lead a committee that maintains and improves the organization's main website and organized web-development workshops for members.
- Redesigned the website to improve user experience and responsiveness; expanded functionality to members with new check-in feature.

PROJECTS

Candidate Tracker

- Collaboratively built a web app that kept track of candidate requirements, enabled event check-in, and provided preview of progress.
- Integrated Google Authentication and the Firebase database with the web-app, and setup the apps' check-in functionality.

Higgs Boson Neural Nets

- Implemented and trained fully connected NN (neural network), recurrent NN, and convolutional NN architectures in Python for detecting Higgs Boson events from particle collision data.

Secure File System

- Designed an E2E encrypted file system in Golang, capable of storing, retrieving, and sharing data securely and safe against SQL injection and XSS attacks.