Eric Leong

415-361-0558
leong.eric17@berkeley.edu
linkedin.com/in/eric-leong
Berkeley, CA
ericleong.herokuapp.com
github.com/mageofboy

EDUCATION

University of California, Berkeley | M.S. Computer Science (**Est. May 2022**)
B.A. Computer Science and Data Science **(May 2021)** • GPA: 3.92/4.00 • Magna Cum Laude

Relevant Coursework | Data Structures, Algorithms, Operating Systems, Machine Structures, Computer Security, Artificial Intelligence Machine Learning, Data Science, Optimization, Database Systems, Computer Vision (grad level), Deep Learning

SKILLS

- **Languages** | Python (NumPy, Pandas, PyTorch, TensorFlow), Typescript, JavaScript, HTML/CSS, SQL, Go, Hack, Java
- **Technologies** | React, Redux, Node.js, Jest, Docker, Jenkins, Git, Firebase, Django, Kubernetes, AWS

EXPERIENCE

Slack Technologies | Software Engineering Intern | June 2021 - Present

Frontend (Files team) • React, Redux, Typescript, Javascript, HTML/CSS, Hack

- Implementing image editing, allowing users to crop, rotate, and annotate images directly on Slack.

UC Berkeley RISE Lab | Research Assistant | Aug. 2020 - Present

Python, TensorFlow, PyTorch, CARLA, AWS

- Researching perception models for autonomous driving systems, focusing on the interaction between latency and accuracy.
- Developed data collection approach for lane detection and object tracking in Pylot, an autonomous driving platform interfacing with CARLA.
- Conducting research under Prof. Joseph Gonzalez.

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.

UC Berkeley EECS Department | Course Group Tutor | Jan. 2020 - May 2021

Python (NumPy, Pandas, PyTorch), SQL

- Facilitated in teaching Data 100 (upper division data science) by holding office hours, organizing tutor sessions, and grading assignments for classes of 1000+ students.
- Taught CS 189 (machine learning) discussion sections, and helped with office hours, homework parties, and exam review sections.

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

Automatic Face Morphing

- Utilized computer vision techniques to detect and label essential facial features, using PyTorch to implement CNNs.
- Integrated facial feature detection with image morphing algorithms to generate face morphing sequences.

Neural Art Style Transfer

- Implemented in PyTorch a deep learning based technique to extract artistic styles from paintings and transfer them to a base image.