Dylan Tran

dylantran@berkeley.edu (408) 800-8655
github.com/dtran16 linkedin.com/in/dtran16 dtran16.github.io

Education

University of California, Berkeley Expected: May 2022
BA in Computer Science
GPA: 3.95 / 4.00

- Relevant Coursework: Operating Systems*, Computer Security*, Machine Learning, Database Systems, Algorithms, Artificial Intelligence, Data Structures, Machine Structures, Discrete Math and Probability Theory (*current)
- Student Organizations: Upsilon Pi Epsilon (CS Honor Society), Blockchain at Berkeley

Experience

LinkedIn | Software Engineer Intern May 2020 – Aug 2020
Sunnyvale, CA (Remote)

- Worked on building an extensive forms library (in Objective-C) for use in all forms across the iOS platform to enable flexibility to support varied needs, reusability, and consistency.
- Created a null state recent activity card displayed for all profiles without any recent posts/comments, serving as an entry point to access visible activity (Swift) and launched incremental A/B testing for the feature release.
- Pushed fixes for user/employee-reported bugs found in production code.

Wildfire (YC S17) | Software Engineer Intern Jun 2019 – Aug 2019
San Francisco, CA

- (March 2020) Built a new tab on Android to display local and national news related to the COVID-19 pandemic.
- Trained a transfer learning NLP model on 200,000 examples that detects toxicity and harassment in comments with 87% accuracy (FastAI, PostgreSQL).
- Integrated geotagging with posts on Android (full stack with Google Places API, Node.js, and Java).
- Developed a "create post" popup on iOS that reduces friction for posting to encourage user-generated content (full stack).

UC Berkeley EECS Department | Undergraduate Student Instructor Feb 2019 – Present
Berkeley, CA

- Teaching discussions, holding office hours, and developing material/code for the databases course, helping students understand topics such as query optimization, recovery, and concurrency.
- Previously, as a data structures course tutor, taught and created worksheets to help pilot extended topical tutoring sections.

Projects

Pothole Detection | LAHacks Mar 2019

- iOS app that repurposes iPhones as dash cams and uses a deep learning model to detect and report potholes.
- Crowdsourced images and locations are used to visualize damage and plan infrastructure improvements.
- Visualization web app built with React, iOS app built with Swift, model deployed on GCP.

Indelve | Blockchain at Berkeley Feb 2019 - May 2019

- Blockchain application for peer reviewing and publishing research papers (Web3.js, React, Solidity).
- Developed smart contracts for an internal cryptocurrency and managing payment and reviews.

Alexa Skills Nov 2017 - June 2018

- Published 2 Amazon Alexa skills (song suggestion skill and compliment giving skill) with 1000+ users.
- Built with AWS Lambda, Node.js, and Alexa Skill Builder.

Skills

Languages:
(Proficient): Python, Java, SQL, Swift, Objective-C, LaTeX
(Familiar): HTML, CSS, C, Go, JavaScript
Technologies:
Git, Vim, Node.js, Selenium, PostgreSQL, Pandas, React

Awards

Gold Division, USA Computing Olympiad
High school competition programming.

Eagle Scout
Highest rank in boy scouts.