

# 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 2021

#### BA in Computer Science

GPA: 3.96 / 4.00

- Relevant Coursework: Algorithms (current), Artificial Intelligence (current), Data Structures, Machine Structures, Discrete Math and Probability Theory, (Coursera) Machine Learning, (edX) Blockchain Technology

## Experience

### Wildfire (YC S17) | Software Engineering Intern

Jun 2019 – Aug 2019

San Francisco, CA

- Worked full-stack w/ Swift, Objective-C, Node.js to build a "create post" popup on iOS that significantly reduces friction for posting to increase user activity at less active colleges.
- Built a geotagging feature for posts on Android using Google Places API.
- Trained a transfer learning NLP model on 200,000 examples to detect toxicity and harassment in comments, achieving 87% accuracy (FastAI/PostgreSQL).
- Sped up data collection script by 300% by writing code to compare word embeddings in batches with matrix operations.

### UC Berkeley EECS Department | Course Tutor

Feb 2019 – Present

Berkeley, CA

- Teaching two weekly small group tutoring sessions and hosting office hours for the data structures course.
- Helping students understand various data structures and algorithms such as big O, trees, sorts, and graphs.

### Blockchain at Berkeley | Software Developer

Feb 2019 – Present

Berkeley, CA

- Worked as a developer with business consultants and designers to build Indelve, a blockchain-based application for peer reviewing and publishing research papers (Web3.js, React, Solidity).
- Developed smart contracts for Indelve's internal cryptocurrency and managing payment, reviews, and documentation.

## Projects

### Candidate Tracker

Feb 2019 - May 2019

- Worked on the publicity committee to build a requirement tracking application for UPE (CS Honor Society) candidates to replace the spreadsheet, streamlining the process of checking into events and updating records.
- Built with Google sign-in and Firebase realtime database.

### 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.

### Alexa Skills

Nov 2017 - June 2018

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

## Skills

#### Languages:

(Proficient): Python, Java,  $\LaTeX$

(Familiar): C, Go, Objective-C, Swift, Solidity, HTML, CSS, SQL, JavaScript

#### Technologies:

Selenium, Git, Firebase, Pandas, React

## Awards

### USA Computing Olympiad | March 2018

Gold division, second highest division.

### Eagle Scout | Nov 2017

Highest rank in the Boy Scouts of America.