Dylan Tran

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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 with 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.
- Enabled geotagging for posts on Android using Google Places API, Node.js, and Java.
- 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 | Data Structures 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

- Currently a consultant, developing blockchain software for Fortune 500 companies.
- 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 web 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. Competition programming.

Eagle Scout | Nov 2017
Highest rank in the Boy Scouts of America.