

# Dylan Tran

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY

BA IN COMPUTER SCIENCE

Expected: May 2021 | Berkeley, CA

GPA: 3.96 / 4.00

### EVERGREEN VALLEY HIGH SCHOOL

Aug 2014 - May 2018 | San Jose, CA

GPA: 3.98 / 4.00

## LINKS

Github: [github.com/dtran16](https://github.com/dtran16)

LinkedIn: [linkedin.com/in/dtran16](https://www.linkedin.com/in/dtran16)

Website: [dtran16.github.io](https://dtran16.github.io)

## COURSEWORK

### UNDERGRADUATE

Data Structures (CS61B)

Machine Structures (CS61C)

Discrete Mathematics and Probability Theory (CS70)

Structure and Interpretation of Computer Programs (CS61A)

Designing Information Devices and Systems (EE16A)

### COURSERA/EDX

Machine Learning

Neural Networks and Deep Learning

Introduction to Tensorflow

Bitcoin and Cryptocurrencies

Blockchain Technology

## SKILLS

### LANGUAGES

Proficient:

Python • Java • C • Assembly •  $\text{\LaTeX}$

Familiar:

Go • Solidity • Angular • CSS • HTML •

SQL • Javascript

### TOOLS

Git • NumPy • Truffle • AWS • Firebase •

PyTorch • Tensorflow • Keras

## EXPERIENCE

### BLOCKCHAIN AT BERKELEY | SOFTWARE DEVELOPER

Feb 2019 – Present | Berkeley, CA

- Developed a blockchain-based publishing system for research papers with Web3.js, React, and Solidity.
- Wrote and tested smart contracts for an internal cryptocurrency and for payment, voting, and rating functionality.

### UPSILON PI EPSILON (CS HONOR SOCIETY) | DEVELOPER

Feb 2019 – Present | Berkeley, CA

- Worked on the web development team to build a personalized requirement-tracking and record-keeping tool for the UPE website.
- Streamlined record updating process for the officer board and over 100 organization members.

### UC BERKELEY EECS DEPARTMENT | ACADEMIC INTERN

Jan 2019 – Present | Berkeley, CA

- Helping students understand various concepts such as runtime analysis, search trees, sorts, and graph traversals in the data structures course.

### CAHL RESEARCH LAB | SOFTWARE DEVELOPER

Feb 2019 – May 2019 | Berkeley, CA

- Revamped user authentication on AskOski, a course recommendation system.
- Implemented proper countermeasures and error handling for server issues.

## PROJECTS

### POTHOLE DETECTION | LAHACKS

Mar 2019 | Python, JavaScript, Swift, Firebase, Tensorflow

- iOS app that uses deep learning to detect potholes
- Features automatic and voice-activated reporting of damage.
- Uses crowdsourced images and locations to generate heat map of damage for infrastructure planners.

### UP 2 DATE | TREEHACKS

Feb 2019 | Javascript, Django, Bing Search API, AWS, Firebase

- A **chrome extension** for multi-source news subscription to user-generated topics, featuring email updates and breaking news classification.

### ALEXA SKILLS

Nov 2017 - June 2018 | Node.js, AWS Lambda

- Published 2 **skills** to the Amazon Alexa skills store, gaining over 1000 users.

## AWARDS

### USACO GOLD DIVISION | USA COMPUTING OLYMPIAD, MARCH 2018

An evaluation of problem solving skills and creativity in utilizing algorithms and data structures to solve a set of difficult programming problems.

### EAGLE SCOUT | BOY SCOUTS OF AMERICA, NOV 2017

Highest rank in the Boy Scouts of America; only four percent of Boy Scouts earn the rank of Eagle.