

ANDREW TANG

tang.andrew99@berkeley.edu | (408) 807-7990

OBJECTIVE

Seeking internship opportunities in the fields of data analysis, software development, and software engineering in the Summer 2019.

EDUCATION

UC BERKELEY

B.A. COMPUTER SCIENCE

Technical GPA 3.43/4.00

May 2020

COURSEWORK

UNDERGRADUATE

Data Structures

Computer Architecture

Efficient Algorithms

Interpretation of Computer Programs

Information Devices and Systems

Discrete Mathematics and Probability

Linear Algebra

Introduction to Databases

Introduction to Artificial Intelligence

The Foundations of Data Science

SKILLS

PROGRAMMING LANGUAGES

Python • Java • C++

Javascript • CSS • HTML

Node.js • Scheme • SQL

FRAMEWORKS

Git • Latex

AWARDS

ACADEMIC

AIME Qualifier (2016)

USACO Silver Contestant

National Merit Finalist (2017)

2nd Place Award Synopsys Science Fair,

Engineering Category (2015)

LEADERSHIP

Optimist International Youth Award

MISCELLANEOUS

2x CalChess State Grade Level

Champions (2014-2015)

Top 50 at California State Parliamentary

Debate (2016)

EXPERIENCE

CLEAR CLOUD GLOBAL | DATA ANALYST INTERN

06/2018-08/2018 | San Jose

- Studied big data analysis, machine learning, network security protocols.
- Trained a domain-name recognition model to increase detection rate of malicious Chinese domain names by 20%.
- Improved recognition rate and reduced "false-positive" cases for domain-recognition model.

COMPUTER SCIENCE MENTORS | DATA STRUCTURES MENTOR

08/2018-Present | Berkeley

- Mentored group of students through core Data Structures concepts like Maps, Graphs, DFS, BFS and Tries.
- Held review sessions and created detailed worksheets for upcoming midterms.
- Helped build and maintain infrastructure and architecture of the CSM scheduler website as part of the tech team.

UC BERKELEY | DATA STRUCTURES ACADEMIC TUTOR

08/2018-Present | Berkeley

- Assisted in instructing students in Data Structures Lab Assignments.
- Aided students in learning Java syntax, Linked Lists, Git, etc.

PROJECTS

CAL HACK EARTHQUAKE APP | OCTOBER 2017

- Built archetype for real-time earthquake alert app for Android.
- Used basic XML user interface tool to create and design template for nearest hospitals, public shelters, and food banks.

MONERO CRYPTOCURRENCY | AUGUST 2018

- Built computer with Radeon Vega GPU that performed with a hash rate of 1339.7 Hashes per second.
- Accomplished a hash rate 10x speed faster than the average GPU.

SYNOPSYS SCIENCE FAIR | MARCH 2015

- Worked with findlaw.com on analyzing recent real-time DDoS attacks.
- Created an algorithm that accurately targets the source location of malicious web behavior.

LEADERSHIP

ASSOCIATED STUDENT BODY | ASB TREASURER

08/2014-06/2017 | Leland High School

- Managed school's budget for the student body of \$250,000+ over the course of the school year.
- Raised \$17,500+ for Junior Prom and organized dance for 330 attendees.
- Served as a liaison between students and faculty through promoting spirit days, advertising for events, and publicizing student council meetings.