# ANDREW TANG

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## 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

## 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.