

Education

UC BERKELEY | COMPUTER SCIENCE B.A. | CLASS OF 2023

- Relevant Classes: CS 61A (*Structure and Interpretation of Computer Programs*), CS61B (*Data Structures*), CS61C (*Machine Structures*), IEEE Micromouse (*Intro to Robotics*), EE16A & EE16B (*Design Information Devices and Systems I & II*), CS370 (*Intro to Teaching CS*), CS 70 (*Discrete Mathematics and Probability Theory*), EPS 109 (*Computer Simulations in Earth Sci*)

Computer Science Skills

DEVMaster's Mastering Applied Data Science Certificate | AUG 31, 2018

- Experienced with data analysis, visualization, and machine learning in Python

TOP PROJECTS

- **Gitlet:** a version of Git using Java with 18 commands total including add, merge, and checkout
- **eTrade API:** a package for automating stock trading on eTrade through Python and Selenium WebDriver
- **Titanic: Machine Learning from a Disaster:** a machine learning model which predicts whether a passenger on the Titanic survived using gradient boosting classifiers - from in a Kaggle competition (scored in the 33 percentile)
- **Bearlance:** a website to help students find opportunities through Covid - leading a team of web developers and working as a frontend developer using HTML, CSS, Bootstrap, Django, Google Cloud, Firebase (work in progress)

SKILLS

- **Programming Languages/Frameworks:** Python, Java, JavaScript, HTML and CSS, Wordpress
- **Languages:** English (native), Chinese (fluent), Spanish (intermediate)

Work Experience

CS61A MENTOR | EDLYFT | APR 2020 TO AUG 2020

- Tutored UC Berkeley students in lower division Berkeley CS classes in a YCombinator backed startup
- Tutored students in group settings (15 students) or private settings
- Underwent training on how to be an effective tutor and how to market Edlyft

MATH TUTOR | CERRITOS COLLEGE | AUG 2018 TO JUN 2019

- Tutored college students on lower division math problems ranging from basic math to linear algebra or calculus
- Worked two shifts a week as a walk-in tutor and one shift a week as a tutor for the [AIME program](#)
- Worked 13 hours a week three days a week and tutored about 60 students each shift as a walk-in tutor

Internships

PROGRAMMING INTERN | ROTHFELS LAB | JUN 2020 TO PRESENT

- Interning under Dr. Maryam Sedaghatpour to use Python on text-analysis of plant species and create a web app displaying the species

DECISION MAKING PSYCHOLOGY | CAL STATE FULLERTON | MAR 2018 TO JAN 2020

- Work under Dr. Birnbaum and graduate students
- Co-authored the research paper "[MARTER: Markov True and Error Model of Drifting Parameters](#)" where I wrote Python programs to manipulate and analyze data
- Acknowledged in the research paper "[TEMP2.R: True and Error model analysis program in R](#)" for running tests on the TEMP2.R program
- Created two calculators using HTML, CSS, and Javascript, the one to predict binary gambles according to the Schramm model ([link](#)) and the other for a markov model with response errors ([link](#))

Leadership

CO-FOUNDER | PEER1ON1 (NONPROFIT) | OCTOBER 2016 TO JUNE 2019

- Peer1on1 served over 50 autistic individuals under the period of my leadership was nominated for the 2018 Annual Spotlight Award of the regional center of Orange County
- Created the website peer1on1.org using Wordpress (total of over 3,942 views and 1,192 visitors since June 2019)