Lucy Wan
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Education
UC BERKELEY | COMPUTER SCIENCE B.A. | *CLASS OF 2023*
· Relevant Classes: CS61B (*Data Structures*), CS 70 (*Discrete Mathematics and Probability Theory*), CS 61A (*Structure and Interpretation of Computer Programs*), CS61C (Machine Structures), IEEE Micromouse (*Intro to Robotics*), EE16A & EE16B (*Design Information Devices and Systems I & II*), CS370 (*Intro to Teaching CS*), 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)