ELLEN XIONG

ellenxiong11@berkeley.edu | (408) 817-0869 | linkedin.com/in/y-ellenxiong | github.com/ellenxiong11

Student with an analytical, communicative, and visionary approach to work. Person with a grounded approach to life.

EDUCATION

University of California, Berkeley

B.A. Computer Science
May 2022 **|** *GPA: 3.94*

Activities
Association of Women in Engineering/CS (AWE) • Product Development @ Berkeley• Regents and Chancellor's Scholar Association • PERIOD@Berkeley • Berkeley Finance Club • 180 Degrees Consulting

Relevant Coursework
Data Structures • Principles & Techniques of Data Science • Structure and Interpretation of Computer Programs • Foundations of Data Science • Linear Algebra and Differential Equations • Analytical Geometry and Calculus • Principles of Business • Discrete Mathematics and Probability Theory

SKILLS

Programming Languages
Python • Java • SQL • R • Pandas • matplotlib • MATLAB • Scheme • Git • PyTorch (basic) • Microsoft Suite

Foreign Languages
English (native) • Mandarin Chinese (native) • Korean (fluent) • Spanish (intermediate)

AWARDS

Rewriting The Code Fellow
• Nov 2019 – Present

Regents and Chancellor's Scholarship Recipient
• Awarded to top 2.5% of the undergraduate student population

Haas Business Student Association Novice Case Competition – *Fall 2018*
• 2nd place out of ~ 50 teams

President's Volunteer Service Award (2017) - *Gold*
• 250+ volunteer hours in a year

PROJECTS

COVID-19 County-Level Forecasting | *May 2020*

• Used dataset manipulation, visualization, machine learning modeling to predict the number of confirmed coronavirus cases in the next week and determine factors to help predict the number of cases in a county.

Gitlet | *Apr 2020*

• Used Java to write a version control software that supports saving, restoring, and viewing file contents or entire directories and maintaining sequences of saved contents.

Scheme Interpreter | *Nov 2019*

• Used Python to develop an interpreter for a subset of the Scheme language and implement small programs and special forms such as macros, tail-recursion, lambda procedures, logical special forms, and more.

WORK EXPERIENCE

Product and Engineering Team | Boost Factory | *Jul 2020 - pres.* **|***San Francisco*

• Using Firebase and model creation in Python to build platform infrastructure

• Identified 5 new KPI's to track efficiency of technology after launching MVP.

Investment Analyst Intern | WI Harper | *Apr 2019 – Sep 2019* **|** *San Francisco, CA*

• Self-learned MATLAB to implement code that finds the frequency of noisy cardiac signals (assigned by an acquainted healthcare startup).

• Presented 20 promising investments in 5g and computer vision sectors to the VC partner team by conducting market research, deal sourcing, & due diligence.

Technology Consultant | Exygy | *Jan 2019 – May 2019* **|** *San Francisco, CA*

• Self-learned R to identify 9 target cities out of 150 by conducting Gaussian mixture model clustering.

• Researched government data to map out affordable housing crisis and analyze existing competition & funding potential in target cities.

Strategy Consultant | SAP | *Sep 2018 – Dec 2018* **|** *San Ramon, CA*

• Built a prioritization matrix & incorporated GSE scores to identify and analyze SAP's weakness in governance.

• Compiled 7 curriculum & funding partnerships of global & regional scale to expand SAP's digital literacy program by potentially 92 countries.

LEADERSHIP

Tech Chair (ex. Social Chair) | Berkeley Finance Club | *Jan 2019 - present*

• Redesigned alumni database to revamp website using Excel and Wix Developer tools. Increased visits by 40%, and unique visitors by 17%.

• Organized logistics for 6+ socials and weekly meetings to increase club retention and alumni involvement.

Event Coordinator | Berkeley Stanford China Forum | *Sep 2019*

• Moderated two round table discussions, one with Rachel Williams (Head of Talent Acquisition @ Google X) and a joint roundtable session with Aaron Magness (CMO @ Brandless), Lei Shi (VP @ Tinder), Lisa Fetterman (CEO @ Nomiku), and Misha Esipov (CEO @ Nova Credit).