AAYUSHI CHAUDHRY

Berkeley, CA 94720 | 858-281-8803 | aayushi.chaudhry@berkeley.edu

EDUCATION

University of California - Berkeley | GPA: 3.74   **Aug 2021 - May 2025**

B.S in Computer Science, Intended B.S. in Data Science with a concentration in Business and Industrial Analytics

- Berkeley Women in Business
- Women in Mathematics
- Undergraduate Real Estate Club

Relevant Courses: Multivariable Calculus (A), Linear Algebra and Differential Equations, Foundations of Data Science (A), The Structure and Interpretation of Computer Programs, Data Structures (IP), Discrete Mathematics (IP), Principles and Techniques of Data Science (IP)

SKILLS: Python (NumPy, pandas), SQL, BNF, Scheme, Javascript, Java, HTML/CSS

WORK EXPERIENCE

Python Tutoring | *Private*   **Jun 2022 - Present**

- Tutoring kids ages 11-15 in concepts in Python such as object oriented programming, recursion, and conditionals
- Catering to different teaching styles based on each child's learning ability
- Creating personalized syllabi and worksheets for each student to aid in their understanding of concepts

Code Ninjas | *Online*   **Jun 2022 - Present**

- Tutoring coding languages varying from Scratch to JavaScript to students from classes kindergarten to 12th grade
- Working in a team of 10 to prevent children from being overwhelmed with concepts they learn through the code ninjas curriculum using social and emotional learning techniques to simultaneously develop students' relationship building, goal setting, and social awareness

Academic Intern for The Structure and Interpretation of Computer Programs (CS 61a) | *UC Berkeley*   **Aug 2022 - Present**

- Helping TAs guide students through labs regarding data structures like trees and linked lists and students understand concepts like recursion, object oriented programming, and iteration

PROJECTS

Python Interpreter for Scheme   **Apr 2022 - May 2022**

- Implemented an object oriented design to build an interpreter for the Scheme language

JPMorgan Virtual Software Internship   **Jul 2022 - Aug 2022**

- Using Python and JavaScript set up an analysis of stock price data and create a chart for the trader's dashboard
- Using React implemented the Perspective open source code to prepare for data visualization

League of Women Voter San Diego *Casework and Custody*   **Aug 2020- Nov 2020**

- Teamed up with the League of Women Voters of San Diego to create a foster care department in their organization
- Led a team of eight to conceptualize a panel discussing the disproportionality in the foster care system and marketed through social media which lead to a turnout of 72 individuals
- Outreached to a variety of organizations like Voices for Children to recruit panelists and found four panelists: two foster care children, a San Diego Social worker, and the Director of Human and Health Services for San Diego
- Wrote educational and promotional articles regarding the panel for monthly newsletters

PROGRAMS

ModernGuild Finance   **May 2022 - Jun 2022**

- Gained an understanding of income, balance, and cash flow financial statements and how to use them to evaluate a business's financial performance using valuation methodologies such as DCF analysis and precedent transactions
- Developed a strong foundation of data modeling by familiarizing myself with mathematical techniques like internal rate of return; recognized its importance on business decisions, project financing, and corporate transactions

Eastdil Secured Analyst Program   **Jun 2022 - Jun 2022**

- Became adept with the processes revolved around loans, the power of leverage, and the three Cs (Collateral, Cashflow, and Credit) of CRF lending
- Acquired a robust perception of the various types of financing involved with those of a bank, a commercial mortgage backed security, and a debt fund
- Introduced to major facets of the real estate industry, particularly those that deal with office buildings, retailers, and industrial corporations