

EDUCATION

University of California, Berkeley

August 2020 - May 2024

Bachelor of Arts in Computer Science, GPA: 3.65

Relevant Coursework: Data Structures, Machine Structures, Discrete Math and Probability, Efficient Algorithms and Intractable Problems, Introduction to Artificial Intelligence, Computer Security, Principles and Techniques of Data Science, Introduction to Database Systems, Programming Languages and Compilers

SKILLS

Programming Languages: Python, JavaScript, Java, C, OCaml, Go, SQL, RISC-V

Technologies: pandas, Numpy, React.js, Next.js, MongoDB, OpenMP, SIMD, Git, Jupyter Notebook

Languages: Fluent reading, writing, and speaking in Spanish and English

HIGHLIGHTED PROJECTS & EXPERIENCE

UC Berkeley Haas School of Business, *Software Development Fellow*

May 2023 - Present

- Developed a web application using Next.js that efficiently enables users to create personalized teams according to their unique needs. As a result, the time it took to complete this task was reduced by over 400 times.
- Built an approximation algorithm to generate optimally balanced teams based on user-defined priorities across team size, gender, experience levels, and work history.

The Green Janitorial Corporation, *Website Developer*

June 2023 - July 2023

- Created and implemented a responsive website for The Green Janitorial using Next.js and Bootstrap. Website: www.thegreenjanitorial.com
- Designed a fast, SEO-friendly site for search engines and speed.

Spotify API Personal Project, *Website Developer*

June 2023

- Built a full-stack web application called Exposify using Next.js that connects to the Spotify API and analyzes a user's top artists and playlists to provide personalized music insights. Website: www.exposify.vercel.app
- Created a backend server using Next.js API routes to call Spotify API and process data to generate musical profiles and analysis for logged-in users.

UC Berkeley Career Center, *Tech Fellow*

September 2021 - May 2023

- Designed and implemented a Python script to scrape content from over 1000 employer websites to search for DEI Employment keywords.
- Parsed, analyzed, and visualized data sets with over 200,000 data points using the pandas library in Python to provide tangible and understandable solutions to an audience of team members with limited technical knowledge.

Meta, *Data Challenge Finalist*

March 2022 - September 2022

- Explored, analyzed, and aggregated large data sets utilizing Python to provide actionable information, and create intuitive visualizations to convey those results to a broad audience.
- Presented a data-driven product pitch, which included data visualizations, business strategy, and recommendations to Data Scientists and Data Engineers.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Data 8, *Academic Intern*

August 2022 - May 2023

- Helped lead weekly discussion and lab sections for 30-40 student cohorts.
- Facilitated small group learning and guided students through key course concepts like data visualization, regression, classification, and hypothesis testing.

San Mateo Robotics, *Engineering Team Lead*

August 2018 - March 2020

- Taught Java and Object-Oriented Programming basics to 20 new members by walking through material and then having everyone try a coding exercise to reinforce concepts.
- Collaborated alongside 30 other team members to contact sponsors, update our records, and work on a website in preparation for competitions.