

EDUCATION

University of California, Berkeley **December 2022**
Bachelors of Science - Electrical Engineering and Computer Science (EECS) | Data Science Minor
GPA: 3.70

Tech Skills: Python C++, Java, HTML/CSS, JS, SQL, Go, Flask, React, WebSockets, GCP, Git, NumPy, TDD

Relevant Work Experience

FULL-STACK SOFTWARE DEVELOPER

Develop for Good, Stanford University

Apr 2021 - Jan 2022

- Increased monthly donation volume by **29%** by developing a responsive round-up modal for a merchant's storefront allowing customers to round up purchases for charity, using **React** and **Shopify Liquid**.
- Collaborated cross-functionally with PM and designers to implement an admin dashboard with real-time data visualizations in **Chart.js** with **Flask/PostgreSQL**.

SOFTWARE ENGINEERING INTERN

Rendezview.io

Jan 2021 - June 2021

- Boosted user retention for visual team collaboration app by **38%** by utilizing Event Tracking with **GCP (Cloud Firestore)**.
- Hired as first intern to help the product team use data to understand different pain points along user journeys.
- Conducted cohort analysis on event data using **Python** and **NumPy** to present meaningful insights and recommendations to leadership, such as best times to re-engage with users.

COMPUTER SCIENCE ACADEMIC INTERN

UC Berkeley, CS61A

Summer 2019 & Fall 2019

- Supervised weekly labs and office hours with **30+** students; broke down complex technical concepts into easier-to-understand ideas through mini-lectures, guides and personalized 1x1 mentorship.

Personal Projects

FULL-STACK WEB APP

ChessKey

Present

- Built a full-stack [chess application](#) from scratch where users can quickly instantiate chess games with a shareable link, with an estimated **3x** reduction of time to create the game compared to popular chess sites.
- Used **Python/Flask** for back-end, and **PostgreSQL** to store data about current games.
- Designed the front-end employing **HTML, Tailwind** and **JavaScript**, with user-centric **UX** principles in mind.
- Created a live chat feature applying **WebSockets** to enhance experience between users.
- Designed database leveraging **data normalization** concepts, reducing redundancy and cost across the application.
- Increased player base by **250%** since initial deployment by actively updating and improving features.
- Wrote high-coverage **unit/integration** tests with **PyTest** and **Selenium**.

WEB, UI DEVELOPMENT

Personal Website

Summer 2020

- Designed and coded a **responsive** [portfolio website](#) using **HTML/CSS** and **React**, as a means to self-learn different front-end technologies.

Other Experiences

Technical Writer, Medium

July 2021 - Present

- I publish educational articles about various technical concepts such as web development, web design, and portfolio building.

Technical Mentor, Mozilla Builders Incubator

Dec 2020 - Mar 2021

- Front-end mentor at Mozilla's Open Lab; lead technical office hours for events, workshops and hackathons.
- Successfully guided 3 incubation companies to secure funding by working with leadership in developing an MVP.

DubHacks 2019 | University of Washington

Fall 2019

- Prototyped an eCommerce marketplace for underserved youth; won a travel scholarship to attend.