

Emily Rostrata

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EDUCATION

University of California, Berkeley | College of Letters and Sciences

May 2026

Bachelor of Arts in Data Science and Applied Mathematics

GPA: 3.7+

Relevant Coursework: Structure of Computer Programs, Data Structures, Discrete Mathematics, Principles and Techniques of Data Science, Probability for Data Science

WORK EXPERIENCE

Channel AI

April 2024 - Present

Developer Intern

Palo Alto, CA

- Used React, JSX to design the admin website used to streamline and create processes for the company.
- Developed a tool using Python to generate thousands of chatbots in seconds by scraping data from external websites.
- Created AI agents using the latest image & language tools like S A111, ChatGPT, and proprietary tools.

Metropolitan Transportation Commission

June 2023 - August 2023

Data Science Intern

San Francisco, CA

- Used Java to pull GTFS and GTFS RT+ data through APIs, write them into SQL databases, and organize it on web apps to visualize reports for assisting executive decisions.
- Crafted a user-friendly interface using HTML and CSS, enabling efficient assessment for internal staff and external transit operators.

Mathnasium Math Learning Center

October 2021 - December 2023

Math Instructor

San Francisco, CA

- Clarified and taught math concepts to children aged 5-15, ranging from elementary to high school difficulty.
- Fostered and communicated a positive learning environment to up to three students per class, per session.

West Portal Monthly Paper

June 2022 - December 2022

Web Development and Engagement Intern

San Francisco, CA

- Engineered an interactive digital platform utilizing advanced CSS and HTML, enabling users to engage with a digital version of the newspaper, replicating the print edition while harnessing the power of web technologies.
- Utilized data analytics and outreach strategies to optimize community engagement and festive celebrations.

AmorEmCompany

December 2021 - December 2022

Business Owner

San Francisco, CA

- Directed operations, showcasing remarkable business acumen by orchestrating the sale of 2,000+ units, resulting in a revenue influx of \$75,000+ within a brief timeframe.
- Crafted and packed shipments while maintaining a 5-star rating through rigorous QC and operational efficiency.

LEADERSHIP & VOLUNTEERING EXPERIENCE

Sites Officer, General Member | ANova @ Berkeley

January 2023 - Present

- Mentors 300+ under-resourced local middle school students, with the goal of making CS more accessible.
- Leads site operations and organizes preparation meetings for general members.

PROJECTS

Journalify

- Built a web app at Cal Hacks hackathon and trained a Cohere NLP model to classify emotions of journal entries

Personal Library

- Used APIs, SQL, Flask, and Bootstrap in a web app that can search for details and store data about books/movies

SKILLS & LANGUAGES

Programming Languages: Python, Java, SQL, C, HTML, CSS, RegEx, JSX

Technologies: Git, Flask, Jinja, Streamlit, MongoDB, VSCode, IntelliJ, Amplitude, Google Suite, Microsoft Office, OpenAI, Gemini, Claude