

Bennett Bishop

(831) 251-5722 | bennettjamesbishop.github.io/ | Bennettjamesbishop@gmail.com |

EDUCATION

University of California, Santa Barbara

B.S, Statistics and Data Science; B.A, Philosophy; Certificate, Technology Management

Goleta, California

June 2025

WORK & LEADERSHIP EXPERIENCE

UCSB Alumni Center

Data Analyst Intern

Goleta, California

August 2024 – Present

- Analyze and visualize alumni data using **Excel**, **Looker Studio**, and **PowerBI** to support strategic decision-making and engagement initiatives.
- Delivered data-driven strategies that boosted the UCSB Alumni Newsletter **open rate by 208%** within four months.

Data Science UCSB

Director of Events

Goleta, California

May 2024 – Present

- Lead the strategic planning and execution of over **50 events**, engaging a community of **500+ club members**, including the ongoing Big/Little program.
- **Organize outreach** to companies and coordinate partnerships for our career fair, **enhancing networking** opportunities for members.

Brainsink

Lead Machine Learning Engineer

San Francisco, CA (Remote)

June 2023 – Present

- Lead engineer of Brainsink, a SaaS platform designed to enhance collaboration in construction projects.
- Engineered **17+** interactive pages, **20+** complex components, and **25+** mutations and queries using **React**, **TypeScript**, **GraphQL**, **PostgreSQL**, Prisma, RedwoodJS, hosted via AWS.
- Designed and developed dynamic **Retrieval-Augmented Generation (RAG)** chatbots using **OpenAI's Assistants API**, enabling project-specific, **context-driven conversations** with unique assistant and thread identifiers for individualized user experiences.

Amotions, Inc.

Software Engineering Intern

San Francisco, CA (Remote)

December 2022 – September 2023

- **Helped Amotions secure their first angel investor and first business customer** by rapidly building out requested features, while contributing to a notable increase in site traffic.
- Built **5+** web pages using **React**, **GitHub**, **TypeScript**, **Firebase**, **Figma**, including the site's landing page and other pages crucial to the product's functionality.
- Collaborated closely with the CEO, UI Designers, and Senior Engineers, translating concepts into functional software.

PROJECTS

UFC Machine Learning Project

Originally an R Project, turned into a Python App

Goleta, California

April 2024 - June 2024

- Cleaned a dataset containing career statistics for UFC fighters, developed models including **Logistic Regression**, **Linear Discriminant Analysis**, **Decision Tree**, **Random Forest**, and **K-Nearest Neighbor** using 10-fold cross-validation, selecting the best-performing model with an **ROC-AUC of ~79%** to predict fight outcomes.
- Created an **interactive Python app** hosted on **Streamlit** where users can select two fighters; the app predicts the winner and provides an explanation of the prediction using the **OpenAI API**.

Optimizing SD Public Transit

Data Science UCSB Project Showcase 1st Place Winner

Goleta, California

October 2022 – May 2023

- Led a team in a collaborative data science initiative, using **simulated annealing** techniques, repurposed open-source **Python code**, and **GIS data** to develop algorithms enhancing public transit efficiency in San Diego.
- Our project was **awarded First Place** at the 2023 Spring Project Showcase, **outperforming 26 competing projects** and highlighting our project's tangible potential to help underserved communities.

ACTIVITIES & INTERESTS

Activities: UCSB Rugby, UCSB Spanish Club, IM Basketball, ZBT Fraternity, Boy Scouts of America (Eagle Scout)

Interests: Fly Fishing, UFC, Weightlifting, Philosophy, Symphony Orchestra, Piano, Jazz Trombone, Backpacking