

# Bennett Bishop

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## EDUCATION

### University of California, Santa Barbara

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

**GPA:** 3.6 / 4.0

**Relevant Coursework:** Machine Learning, Python, Principles of Data Science (R), Probability and Statistics, SAS Base Programming, Regression Analysis, Business Strategy, Marketing, Ethics, Critical Thinking, Metaphysics

**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**, **Google Sheets**, **Looker Studio**, and **PowerBI** to support strategic decision-making and engagement initiatives.
- Develop and maintain dashboards to track key metrics, enhancing the accuracy of records and driving data-driven recommendations for alumni outreach.

### 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.
- Collaborate effectively with fellow club officers to drive member participation and ensure the success of each event.

### Brainsink

*Lead Engineer*

**San Francisco, CA (Remote)**

June 2023 – Present

- Lead engineer of Brainsink, a SaaS platform designed to enhance collaboration in construction projects.
- Engineered full-stack solutions and unit testing for **17+** interactive pages, **20+** complex components, and **25+** mutations and queries using **React**, **TypeScript**, **GraphQL**, **PostgreSQL**, **Prisma**, **RedwoodJS**, hosted via **AWS**.
- Incorporated various third-party APIs, including OpenAI's API for chat summarization, Resend's API for email automation, and TipTap's API for rich text editing.

### Amotions, Inc.

*Software Engineering Intern*

**San Francisco, CA (Remote)**

December 2022 – September 2023

- Rapidly built features requested by potential investors and customers, **helping Amotions secure their first angel investor** and **first business customer**, while contributing to a notable increase in site traffic.
- Built and contributed to **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.