Bennett Bishop

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EDUCATION

University of California, Santa Barbara   **Goleta, California**
B.S, Statistics and Data Science; B.A, Philosophy; Certificate, Technology Management   *June 2025*

WORK & LEADERSHIP EXPERIENCE

UCSB Alumni Center   **Goleta, California**
Data Analyst Intern   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 132%** within three months.

Data Science UCSB   **Goleta, California**
Director of Events   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   **San Francisco, CA (Remote)**
Lead Machine Learning Engineer   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.   **San Francisco, CA (Remote)**
Software Engineering Intern   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   **Goleta, California**
Originally an R Project, turned into a Python App   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   **Goleta, California**
Data Science UCSB Project Showcase 1st Place Winner   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