



## PROFESSIONAL & LEADERSHIP EXPERIENCE

### ANALYST

Propel Bio Partners | July 2023 – Present

- Diligently screened and **analyzed financials, clinical trial data, and business models** of prospective investments in the **life sciences industry**, delivering crucial insights that informed strategic decision-making and identified high-potential opportunities for the firm's portfolio.
- Devised and executed an **RSS-based system** to track pivotal inflection points, news, and press releases for portfolio companies, boosting information-gathering efficiency by **30%**.

### DATA ANALYST INTERN

Isla Vista Community Services District | April 2023 – Present

- Leveraged **Python** to conduct comprehensive analysis of the IVCSD's event calendar data which facilitated informed decision-making and contributed to the optimization of event planning.
- Pioneered **algorithm development** to automate data collection, streamlining workflows, enhancing accuracy, and optimizing operational efficiency at the community center.

### UCSB DHADKAN PRESIDENT

UCSB Dhadkan | Sep 2020 – June 2023

- Directed non-profit organization of **forty+ students** and seven sub committees to generate over **\$10,000 in profit** by facilitating fundraisers throughout the year.
- Managed the marketing, financial, logistical, and social facets of Nachle Deewane, an annual dance competition which attracts over a **thousand attendees** from around the US.

## TECHNICAL EXPERIENCE

### DATA SCIENCE CAPSTONE

Amgen | Sept 2022 – June 2023

- Collaborated with peers to leverage **deep learning techniques (NLP and text mining algorithms in Python)** to extract and label biomedical entities from the free text of research papers.
  - Trained and tested a BERT (**Bi-directional Encoder Representations of Transformers**) model on data from PubMed research papers, which resulted in a final accuracy of **62%**.

### INDEPENDENT RESEARCHER

Moeller Lab | Sept 2022 – June 2023

- Produced **visual outputs** of simulated data by local-scale and **global-scale models** using **MATLAB** to visualize how the thermal sensitivity of plankton metabolism effects nutrient cycling in the ocean and coded a webpage using **HTML/CSS** to display my research findings.

### META DATA CHALLENGE FINALIST

Meta | May – Aug 2022

- Selected as a finalist (**one of eighty-six** undergrad students in North America) for a competitive **five-month** data science apprenticeship at Meta.
- Analyzed Netflix Kaggle dataset using **R-Studio** and **SQL** to produce actionable insights for a **business strategy** and presented a **data-driven product pitch** to an audience of Data Scientists and Engineers.

### UC DAVIS COSMOS ATTENDEE

COSMOS | Jun 2019 – Jul 2019

- Earned invitation to UC Davis COSMOS (**30% acceptance rate**) and created a presentation on the evolution of antibiotic resistance which was showcased to an audience of over **five-hundred people**.

## EDUCATION

### UC Santa Barbara (2020 – 2023)

#### BS in Statistics and Data Science

Honors Student

GPA: **3.87/4.0**

#### Relevant Courses:

- Statistical Machine Learning (92%)
- Design and Analysis of Experiments (97%)
- Regression Analysis (97%)
- Applied Stochastic Processes (92%)

## TECHNICAL SKILLS

### DATA ANALYSIS:

- Python (pandas, numpy, matplotlib, pyspark, tensorflow)
- R-Studio (rshiny, tidyverse, ggplot)
- MATLAB
- SQL
- SAS
- Microsoft Excel

### WEB DEVELOPMENT:

- HTML

## PROJECTS

### Supervised ML Project in R-Studio

Identified and predicted wine quality given chemical predictors using **ML models** such as **LDA, Single Decision Trees, Random Forest, Boosted Trees**

### “ZuckFlix” Content Recommendation

Provided actionable information and created intuitive visualizations about current trends in the entertainment industry using **SQL** and **R**

## AWARDS

- College of L&S High Honors
- AP Scholar with Distinction

## HOBBIES & INTERESTS

- Reading
- Yoga
- Travelling
- Cooking