

# Manaar Salama

mgsalama@gmail.com | (209) 938-8519 | linkedin.com/in/mgsalama | mgsalama.github.io

U.S. Citizen | she/her/hers | San Francisco, CA 94118

## EDUCATION

### University of California, Berkeley

May 2024

Bachelor of Arts in Data Science, with specialization in Economics. Minor in Chinese.

GPA: 3.70 / 4.00

**Relevant Coursework:** Data Mining and Analytics; Data Engineering; Principles & Techniques of Data Science; Data Structures; Structure and Interpretation of Computer Programs; Data, Inference, and Decisions; Concepts of Probability.

## SKILLS & CERTIFICATIONS

**Programming Languages:** Python (NumPy, pandas, scikit-learn, PyTorch), SQL (PostgreSQL, MySQL), Java, R

**Tools and Software:** Tableau, PowerBI, Snowflake, AWS, Jira, Git, GitHub, Microsoft Office Suite (Excel, Word, etc.)

**Certifications:** Google Analytics 4, 2024.

## EXPERIENCE

### Rise Against Hate

August 2024 – Present

*Data Analysis Intern*

*Cherry Hill, NJ (Remote)*

- Establish and document standards for data collection and entry, ensuring consistency across the database
- Devise structure and focal points for research project with goal of analyzing racial data for permit-to-carry applications in New Jersey to efficiently align visions of project members
- Design 3+ visualizations with Microsoft Excel and Google Sheets to clearly present findings to all audiences

### Data Science Undergraduate Studies at UC Berkeley

January 2022 – May 2024

*Jupyter Notebook Development Team Lead*

*Berkeley, CA*

- Managed cross-functional teams of students in collaboratively developing 15+ data science projects with Python, SQL, and R in a Jupyter Notebook environment for over 8 courses within different academic disciplines
- Organized 5+ GitHub repositories and wrote documentation for code, ensuring ease of collaboration
- Directed the development of innovative data science course assignments, adopted by 3+ academic institutions

### Scenthound

June 2023 - August 2023

*Data Science Intern*

*Jupiter, FL (Remote)*

- Pioneered the creation of the company's first PowerBI dashboards, leveraging visualization techniques to present data on service performance that allowed for informed decision-making and product recommendations
- Demonstrated expertise in SQL by writing queries to fill in data among 30,000+ rows within relational database
- Created and implemented 3 reports utilizing Zoho Analytics CRM, promoting in-depth exploration of sales database and identification of 100+ transactions of interest, contributing to customer satisfaction solutions

### Women in Computing and Data Science at UC Berkeley

August 2022 - December 2022

*Machine Learning Committee Co-Chair*

*Berkeley, CA*

- Designed and delivered engaging lectures with MS PowerPoint to teach machine learning concepts using Python
- Mentored 15 students in conceptualizing computer science and analytical research projects, which were subsequently showcased at a club-wide event, enhancing members' practical skills and confidence

## PROJECTS

### Hierarchical Modeling, GLMS, and Nonparametric Modeling

November 2023 - December 2023

- Formulated Bayesian hierarchical and statistical modeling to generate robust mortality rate estimation and cardiovascular disease predictions with over 75% accuracy using PyMC, scikit-learn, and statsmodels in Python

### Canadian Wind Turbine Analysis

May 2023 – June 2023

- Built Jupyter Notebook using pandas and Plotly for analyzing datasets on wind energy generation and capacity
- Assembled 4+ Tableau visualizations and a dashboard with cleaned data to present actionable next steps for development in production and efficiency of wind turbines in Canada to an audience of simulated stakeholders