

Saga Abuodeh

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EDUCATION

University of California, Berkeley

Bachelor of Arts in Data Science, Emphasis in Economics

Berkeley, CA

Jun. 2022 – Dec 2024

EXPERIENCE

AI Trainer

June. 2025 – Present

Handshake AI

Remote

- Curating and labeling diverse datasets to improve AI model accuracy and performance across multiple domains.
- Collaborating with data scientists and engineers to iteratively refine AI algorithms, with a focus on bias mitigation and enhancing model fairness and effectiveness.

Development & Operations Coordinator

May. 2024 – May. 2025

Balady Charity

Fremont, CA

- Built and managed the organization's website and Instagram account, leading a social media fundraising campaign that increased donations by 32%, while cultivating relationships with major donors and community partners
- Coordinated and booked fundraising tabling events at local venues and community gatherings, engaging volunteers and grassroots organizations to drive donations and public involvement.
- Managed comprehensive bookkeeping and financial tracking for a \$250K+ budget under CFO supervision, performing invoice audits, preparing reports, and maintaining accurate donor records to ensure accountability and transparency.

Data Science Research Intern

Aug. 2023 – Dec. 2023

Data Discovery: Rocketship Public Schools

Berkeley, CA

- Developed predictive models using Python and statistical methods, including linear regression, to analyze a 120+ MB student dataset and explore impacts of parental involvement and online learning engagement on academic outcomes.
- Streamlined data preparation and in-depth analysis to identify key trends, reducing analysis time by approximately 15% and enabling faster, more reliable insights.
- Produced data visualization assets and a comprehensive research poster to effectively communicate findings and inform data science team on strategic research priorities.

Undergraduate Teaching Assistant

Jan. 2023 – May 2023

University of California, Berkeley

Berkeley, CA

- Supported over 220 students in data analysis, statistics, and R programming, reinforcing key concepts in exploratory data analysis, hypothesis testing, and coding best practices.
- Guided students in debugging complex projects and interpreting statistical results, enhancing their analytical accuracy and fostering reproducible research practices.
- Provided dedicated office hour support to assist students with questions and challenges, and collaborated with the teaching team to develop solution guides and improve instructional materials.

PROJECTS

Data Engineering Pipeline | *PostgreSQL, MongoDB, Python, Git, ETL, System Design*

- Designed and built dimensional data models for a business-oriented Yelp database in PostgreSQL and MongoDB, enabling structured comparison of relational and NoSQL systems for analytical insights.
- Wrote optimized SQL queries and MapReduce jobs to uncover trends, identify top reviewers, and evaluate data quality; enhanced PostgreSQL performance using indexes and materialized views while assessing tradeoffs in data handling approaches.

Spam Email Classifier | *Python, K-nearest-neighbor classifier, Data Visualization, Logistic Regression*

- Achieved an 82% precision using logistic regression and feature engineering. Evaluated performance through precision, false positive rate, and precision-recall curve analysis.
- Applied cross-validation and train/test split to ensure reliable results and minimize overfitting.

TECHNICAL SKILLS

Python, R, SQL (Postgres), JavaScript, HTML/CSS, Java, C++, Git, AWS, Power BI, Tableau, Excel, LaTeX