

Michael Haroon

github.com/mrharoon-at-berkeley | linkedin.com/in/michael-haroon/ | Berkeley, CA | mrharoon@berkeley.edu | +1 (510) 570-4419

EDUCATION

UC Berkeley

Expected December 2024

BA in Applied Mathematics, applied in Operational Research

- Relevant Classes: *Probability, Numerical Analysis and Programming, Structure and Interpretation of Computer Programs, Data Structures and Algorithms, Nonlinear and Discrete Optimization, Linear Programming and Network Flows, Full-Stack Development, Deep Learning for Computer Vision, Linear Algebra, Real Analysis, Discrete Math*
- Awards: *Leadership Scholar*

Long Beach City College

May 2022

AA in Mathematics

- Awards: *President's Scholar (3.75+ GPA); Certificate of Recognition, College of Math and Engineering (top 7 of thousands)*
- Leadership: *President of Academic Research Club*
- Research: *"Homelessness in the Recent Years of the United States: A Look into What Causes Such Struggle"*

SKILLS

- LANGUAGES: Python, Java, C++, JavaScript, HTML, CSS, MATLAB, SQL
- TOOLS & FRAMEWORKS: Git, React, NodeJS, Bootstrap, AWS, REST API, Linux/Unix terminal, MOSEK, NumPy, PyTorch, SciPy, Matplotlib, Anaconda, GPT3.5, MySQL, Jupyter Notebook

RELEVANT EXPERIENCE

Adesnik Laboratory (UC Berkeley)

Berkeley, CA

Research Apprentice, Paid

January 2023 – July 2023

- Collaborated with the undergraduate team and supervisor to modify imported machine learning code and statistical modeling tools.
- Redesigned, tested, and debugged data visualization algorithms to enhance data analytics, and modeling, increasing subject performance rate by 3x.
- Filtered 100+ inaccurate trial data entries, resulting in the transfer of 500+ clean trials into servers to efficiently apply visual modeling on all data.

AI/LLM Hackathon

Berkeley, CA

Hackathon Participant

June 2023

- Extracted and analyzed textual data using GPT3.5 modules to determine patterns in written communication.

CalHacks 9.0

San Francisco, CA

Hackathon Participant

October 2022

- Earned selection to participate in the world's largest and most selective collegiate hackathon.
- Architected backend data retrieval process with InterSystem's API to pull and utilize information of hospital patients.

WORK EXPERIENCE

Berkeley Information Technology

Berkeley, CA

Student Technician

September 2022 – December 2022

- Documented instructions for training, general guidelines, and unique scenarios as references for student team.
- Resolved 2-3 client internet connectivity issues weekly during appointments via troubleshooting and referring them to specialized IT teams.
- Boosted rapport with clients by promptly responding to their submitted tickets in ServiceNow and maintaining communication.

Multidisciplinary Success Center

Long Beach, CA

Tutor of Physics, Economics, and Statistics

September 2021 – May 2022

- Adapted to diverse communicational needs of about 20 special needs and regular students, including those who are blind or deaf.
- Resolved 2 student frustrations by focusing on their achievements and goals, which led to them earning A's in class.

LEADERSHIP

- **CS 61A** – Academic Intern
- **LBCC Hiring Committee** – Student Representative
- **Academic Research Club** – President