Michael Haroon

michael.r.haroon@gmail.com | linkedin.com/in/michael-haroon | github.com/michael-haroon | kaggle.com/michaelharoon

EDUCATION

UC Berkeley – *BA, Applied Mathematics*   *May 2024*
   Classes: Data Structures, Probability, Statistics, Discrete & Nonlinear Optimization, Deep Learning Decal
   Award: Leadership Scholarship

WORK EXPERIENCE

Outlier.ai | *Math Trainer* | *Remote*   *Aug 2024 – Dec 2024*
- Reduced risk of inappropriate responses from LLMs for anonymous clients.
- Trained LLMs by guiding them through puzzling problems including those from the Math Olympiad.

Adesnik Laboratory | *Research Intern* | *Berkeley, CA*   *Jan 2023 – Jul 2023*
- Analyzed large datasets to mitigate risk of mice failure, increasing their success rate from <30% to >80%.
- Designed and optimized scalable data visualization algorithm in Python (SciKit Learn, Pandas, Matplotlib), decreasing task time from 15 min to 3 minutes—accelerating weekly research syncs.
- Collaborated with the research team to present data findings, incorporate feedback, and adapt the approach to align with evolving research goals.

Berkeley Information Technology | *Student Technician* | *Berkeley, CA*   *Sep 2022 – Dec 2022*
- Provided technical support for faculty, ensuring timely resolution and clear documentation of issues.
- Developed documentation and training materials to reduce risk of mistakes for future employees.

Long Beach City College | *Tutor* | *Long Beach, CA*   *Sep 2021 – Apr 2022*
- Adapted tutoring approaches to diverse client needs and diffused high-stress situations, leading to students succeeding in class with at least a B+ grade.

LEADERSHIP

UC Berkeley EECS Department | *Lab Mentor* | *Berkeley, CA*   *Sep 2022 – Nov 2022*
Academic Research Club | *President* | *Long Beach, CA*   *Sep 2020 – Apr 2022*
Hiring Committee | *Student Representative* | *Long Beach, CA*   *Feb 2022 – Mar 2022*

PROJECTS

AI Insurance: File parser for insurance companies. Utilizes HuggingFace LLM and NLP backend. (https://github.com/michael-haroon/ai-insurance)

Jane Street Competition: Trained an ML model to make best predictions on real, anonymous trading data. (https://www.kaggle.com/code/michaelharoon/js-model-maker)

Dream: Led the backend development and project pivoting of a journaling website in a team of 6. (https://github.com/michael-haroon/Dream)

PROFESSIONAL DEVELOPMENT

AWS AI/ML Scholar: Pandas, SciKit Learn, Matplotlib, AWS SageMaker, Comprehend, and Lex.

Hugging Face smol-course: Supervised Fine Tuning, Preference Optimizations, LoRa adapters. (https://github.com/michael-haroon/smol-course)

Google 5-day Intensive GenAI Course: Embeddings, Vector Stores, RAG, Model Prompting, LangChain.

USCC Cyber Quest: Ranked 81 out of 2000+ competitors in cyber security competition.

TECHNICAL SKILLS

Programming: Python, SQL, VBA, MATLAB, R, TypeScript, Java

Development Tools: Windsurf, Cursor, GitHub, IntelliJ IDEA