

Iyyah Zareef-Mustafa

iyyahzm@gmail.com | (510) 776-4748 | Oakland, CA | linkedin.com/in/iyyah | github.com/iyyahzm | iyyah.com

EDUCATION

University of California, Berkeley — *B.A. in Data Science, Minor in Music*

Aug 2022 – May 2025

Honors: Oakland Promise Scholar (ranked top 10% among mentor's 400 advisees)

Relevant Coursework: Principles & Techniques of Data Science | Data Mining & Analytics | Human Contexts & Ethics of Data | Probability & Statistics | Data Structures | Structures & Interpretation of Computer Programs | Computational Models of Cognition

SKILLS

Technical Skills: Python, Java, SQL, Scheme, Data Structures & Algorithms, PyTorch, Pandas, NumPy, Matplotlib, Git/GitHub

AI & LLM Tooling: Large Language Models (Claude), Claude Code, Prompt Engineering, AI Output Alignment Review

Research & Analysis: Empirical Research Design, Survey Design & User Research, Statistical Analysis, Data Analysis & Evaluation

EXPERIENCE

AfterQuery

San Francisco, CA

AI Output Alignment & Quality Assurance Specialist

May 2026 – Present

- Audit 250+ AI-generated deliverables for accuracy and compliance across finance, healthcare, legal, and government sectors.
- Design a framework that evaluates LLM outputs against prompt intent and reference data to surface misalignment.

Defenders of Wildlife

Berkeley, CA

Full Stack Developer & Design Contract Consultant (Diversatech)

Sep 2024 – Jan 2025

- Built a full-stack legal-document platform collaboratively with a small team using React, Next.js, and Supabase, featuring dual-mode annotations (comments and definitions) and an accessibility toolbar.
- Integrated Google Gemini API for AI-driven document extraction and Q&A, and used Python to analyze interview data, revealing comprehension barriers in legal language that informed feature design to expand public access to environmental policy.

Live Nation

Berkeley, CA

Business Strategy & Marketing Contract Consultant (Diversatech)

Feb 2024 – Jun 2024

- Designed and conducted empirical user research with 250+ survey respondents and 50+ in-depth interviews to inform a tiered subscription pricing model for artist discovery.
- Built a clickable prototype demonstrating core product recommendations, presenting findings to stakeholders for review.
- Led competitive analysis across four platforms (AEG, Spotify, SeatGeek, Instagram), identifying strategic opportunities in personalization, social integration, and subscription reliability.

Adobe

San Francisco, CA

User Experience Research & Design Contract Consultant (Diversatech)

Sep 2023 – Dec 2023

- Conducted 40+ interviews across 25 universities, auditing Adobe's help resources to identify key gaps in supporting Gen-Z users.
- Researched effective support-center models to recommend features including reimagined search and an AI chatbot.
- Proposed metric-based frameworks to improve accessibility and engagement for younger, less experienced creators.

ISS Guckenheimer at Google

San Francisco, CA

Finance & Operations Intern

Aug 2021 – Jun 2022

- Managed employee, supply chain, and recruitment data across finance and HR functions using structured Excel workflows.

OPEN-SOURCE PROJECTS

- **Global Population & Poverty Trends:** Analyzed global population-poverty trends using Python and NumPy. (Sep 2022)
- **N-gram Frequency Tool:** Built a Java word-frequency analysis tool using tries and the Google Books Ngram dataset. (Oct 2023)
- **World Generator:** Implemented a procedurally generated Java world with algorithmic room and persistence logic. (Nov 2023)