

# Ian Sequeira

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Sacramento, CA 95672 | [ian\\_sequeira@ucsb.edu](mailto:ian_sequeira@ucsb.edu)  
[Personal Website](#)

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Thorough and ambitious Data Engineering student with expertise in statistical modeling, programming, and data analysis who is committed to using data-driven solutions to push the frontier in healthcare and financial sectors.

## Education

**The University of California, Santa Barbara**

Economics, Bachelors of Arts (B.A.) and  
Statistics & Data Science, Bachelor of Science (B.S.)

09/2023 - 12/2026

**Cumulative GPA: 3.80/4.0**

**Relevant coursework:** Computer Science Problem Solving 1 & 2\*, Economic Theory (Intermediate), Calculus I/II/III/Proof Writing, Statistical Theory, Statistical Methods and Data Science R & SQL

**Programming Languages & VC:** C++, R, SQL, Python, JavaScript, Git

**Tools/Soft Skills:** Microsoft Office Services, Economic Theory, Statistical Modeling, Azure Environment

## Work Experience

**Alida Inc., Student Intern Data Engineer**

09/2024 - Present | **Remote**

- Built AI-powered Query System with Claude API/Databricks/Unity Catalog in python to enable natural language querying of healthcare datasets through intelligent caching and automated SQL generation
- Engineered array-aware join recovery for healthcare claims data, automatically handling complex entity-interaction mappings and reducing data retrieval complexity & interpretability by 85%

**UC Irvine SIB's Research Fellow**

06/2025 -08/2025 | **UC Irvine**

- Analyzed 1,150+ Alzheimer's patients using GLM, ridge, and CART in R, achieving 0.835 AUC and identifying biomarkers that cut sample size by 25%, with reproducible code on GitHub.
- Developed statistical framework aligning with survival analysis results, demonstrating 188 participants sufficient to detect treatment effects with 80% power, compared to 500+ for single predictors.

## Project Experience

**Olympics Azure Project, Personal Project**

11/2024 - 02/2025 | **Santa Barbara, CA**

- Built an Azure data pipeline to ingest, transform, and store Olympics data, enabling efficient SQL-based querying and statistical modeling in Python with Scikit-learn through Azure Synapse Analytics

**Telescope SQL Database, Database & SQL Class**

01/2023 - 05/2023 | **Oak Ridge High, CA**

- Led a team to design and implement relational database schema for a telescope company using SQL, incorporating business logic for customer and management tracking

**Finance Manager, Personal Project**

08/2021 - 05/2023 | **El Dorado Hills, CA**

- Managed a personal investment portfolio of \$5,000, achieving a 93% ROI over two years through strategic diversification and value investing
- Used a risk mitigation framework by integrating bonds and ETFs, reducing market volatility impact by 20%

## Skills & Extracurriculars

**Clubs:** ACM Industry, Data Science Club, Finance Connection Club, Club Volleyball

**Languages:** English (Fluent), Spanish (Fluent), French (Beginner)

**Technical Skills & Certifications:** Oracle DB & SQL Certification (2023), Microsoft Services, Microsoft Azure Services, R, Python, SQL, HTML & CSS, JavaScript, C++, Matlab (Intermediate), Online Statistical AI Modeling and Machine Learning Course (Coursera UCSD, 2024), Online Financial Markets Course (Coursera Yale, 2024)