
EDUCATION**Master of Science in Business Analytics**, Rady School of Management

06/2026

University of California, San Diego, CA

- Relevant Courses: SQL and ETL, Web Mining & Recommender Systems, Supply Chain & Fraud Analytics (Pending)

Bachelor of Science, Data Science; Minor: Mandarin Chinese

05/2025

University of Michigan, Ann Arbor, MI

- GPA: 3.7 / 4.0
- Relevant Courses: Database Management Systems, Intro to ML, Applied Regression Analysis, Conversational AI, Linear Algebra, Engineering Statistics

EXPERIENCE**Independent Researcher**, Datamaze Lab, Ann Arbor, MI

08/2024 - 04/2025

- Developed end-to-end GPT-4 pipeline to analyze SEC 10-Q filings and link business risks to KPIs, cutting analysis time by 90% and enabling rapid financial insights on major social media firms
- Designed LLM prompts using prompt engineering to guide model attention and improve output consistency
- Produced network and time-series visualizations to track business risks and their impact on 53 key KPIs across four years of data, supporting investor decision making

Soccer Data Analytics Intern, Penta Labs, Mexico City, Mexico

07/2024 - 08/2024

Sports data science consulting startup in Mexico City serving local and international professional soccer teams

- Implemented Voronoi-based spatial algorithm to analyze 5,000+ match events, mapping player influence zones and optimizing space use during pressing events
- Delivered detailed heatmaps and actionable insights to top Mexican club, contributing to 39% drop in goals conceded

Strategy Consultant, Rem on Campus Consulting, Ann Arbor, MI

09/2022 - 12/2022

Consulting club at the Ross School of Business offering pro bono services to small businesses impacted by COVID-19

- Optimized inventory tracking methods for Mexican artisan goods retailer by identifying operational inefficiencies
- Designed TikTok strategy and newsletter mock-up, doubling social media traffic and driving e-commerce growth
- Presented final recommendations to owner with team, supported by visuals of key insights and implementation steps

PROJECTS**ETL Supply Chain & Weather Data Pipeline**, SQL & ETL, Rady School of Management

08/2025

- Built ETL pipeline using Python and SQL in Snowflake to extract, load, and transform multi-format business data
- Created Snowflake views integrating sales and weather data to identify weather-driven revenue trends

CaloriQ, Capstone Project - AI & Database Team Lead, University of Michigan

01/2025 - 04/2025

Health and wellness website developed in a team of seven to make personalized fitness more accessible through AI

- Built PostgreSQL database integrated with DeepSeek's API to auto-generate meal and workout plans for 1,000+ users
- Engineered prompts for DeepSeek R1 to generate personalized, high-precision fitness plans within seconds
- Created AI chatbot to answer user queries and provide emotional support around fitness goals

Deep Learning Dog Classifier, Intro to Machine Learning, University of Michigan College of Engineering

11/2024

- Built and trained a CNN using PyTorch to classify Golden Retrievers vs. Collies, identifying background bias in Collie images
- Applied transfer learning with 8 additional breeds to boost test AUROC to 0.8544 and reduce non-dog feature reliance

SPECIALIZED SKILLS

- **Programming:** Python (Pandas, NumPy, Matplotlib, PyTorch, Scikit-learn), R (Tidyverse, ggplot2), SQL, C++
- **Analytical Methods:** Regression, Classification, Clustering, Neural Networks, Decision Trees, Random Forest, XGBoost, Hyperparameter Tuning, Embeddings, Prompt Engineering, LLM Fine-Tuning, EDA, NLP, UX Research
- **Operating Systems:** macOS, Linux
- **Tools:** GitHub, VSCode, Cursor, Docker, Excel, PowerPoint, Tableau, PostgreSQL, API Integration, Snowflake
- **Spoken Languages:** English (Fluent), Spanish (Native), Mandarin Chinese (Advanced)