

EDUCATION

Master of Science in Business Analytics, Rady School of Management

University of California, San Diego, CA

GPA: 3.9 / 4.00

- Relevant Courses: Business Intelligence, Customer Analytics, Machine Learning Algorithms, Deep Learning for Business

Bachelor of Science, Business Economics | **Bachelor of Arts, International Business** | **Minor in Data Science**

University of California, San Diego, CA

SKILLS

- Languages/Coding:** Python, R, SQL, Excel
- Tools:** Git, Github, Pandas, NumPy, SciPy, Statsmodels, Scikit-Learn, PyTorch, Matplotlib, Tidyverse, GGPlot, Tableau
- GitHub/Portfolio:** <https://github.com/raoguchi/> | <https://raoguchi.github.io/alexoguchi.github.io/>
- Spoken Languages:** Japanese

EXPERIENCE

E-Commerce Business Data Analyst, Ultima Supply, Torrance, CA

07/2022 - Present

- Built scalable **Python** tools to automate SKU-level pricing workflows using **Pandas** and **NumPy**, cutting manual labor by 90% and enabling real-time list price updates
- Designed and executed A/B experiments to measure the causal effect of pricing changes on revenue, delivering a 10x ROI on high-demand SKUs during Anime Expo
- Conducted competitive and market segmentation analysis to support over \$5,000 in wholesale B2B negotiations, expanding customer segments through targeted pricing recommendations
- Engineered a **Python**-based Retrieval-Augmented Generation (RAG) pipeline using Google Trends and **Gemini APIs** to automate SEO keyword retrieval and content deployment, boosting visibility across sales channels

IT Analyst Intern, Japanese Travel Bureau USA, Torrance, CA

07/2022 - 08/2022

- Analyzed social media campaign performance data using **Excel** and Meta Insights to identify high-value Japanese demographic segments, informing targeted outreach strategies and increasing post engagement by 25%
- Created **Excel**-based documentation to map and log IT business workflows during a company acquisition, enabling onboarding of new employees, ensuring operational continuity, and enhancing cross-functional coordination
- Synthesized macroeconomic and ESG trends aligned with SDG objectives into weekly policy briefings for cross-functional leadership, supporting strategic realignment during post-merger transition

Operations Student Coordinator, UCSD Housing Dining Hospitality, San Diego, CA

05/2023 - 06/2024

- Managed labor allocation and scheduling for 90+ student workers using data-driven scheduling models to streamline workflows during peak-hour service for over 2,000 patrons
- Led operational planning and stakeholder coordination across functions during major facility renovations, enabling smooth service continuity and contributing to a 120% increase in revenue
- Established and implemented training modules and SOPs informed by operational analytics, improving onboarding efficiency and standardizing service quality across 90+ staff members

PROJECTS

Multimodal AI Agent for Recruitment Automation, MGTA 495, Rady School of Management

03/2025 - 06/2025

- Engineered a production-ready multimodal AI Agent with **Python**, **LLaMA**, **Gemini**, **Docker**, and **Calendly REST APIs** to automate candidate scoring, scheduling, and summarization tasks, reducing manual screening time by 60%
- Integrated **Model Context Protocol** (MCP), **prompt-engineered** failsafe logic, and **tool calling** to coordinate reasoning across LLMs, enabling modular workflows for statistical analysis, anomaly detection, and data visualization

Data-Efficient Image Classification with Prototyping in PyTorch, MGTA 415, Rady School of Management

01/2025 - 03/2025

- Improved model training efficiency in **PyTorch** by applying prototype selection techniques (K-Means, random selection) on MNIST variants, achieving >90% accuracy with 50% less training data

SQL & Python ETL for Sales KPI Reporting, MGTA 464, Rady School of Management

08/2024

- Architected a modular **ETL** pipeline using **Python** and **SQL** to extract, transform, and load raw sales data into a Snowflake cloud warehouse, enabling KPI tracking through normalized tables and materialized views
- Developed advanced SQL queries leveraging **CTEs**, **window functions**, and **subqueries** to deliver time-based metrics, cohort analyses, and actionable business insights ready for production