

DIEGO ESTUAR

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KEY SKILLS

Database Management: SQL (MySQL, PostgreSQL, MongoDB, Snowflake), ChromaDB

Data Analysis: Python (Pandas, NumPy, TensorFlow, PyTorch, SciKit-Learn), R (dplyr), SPSS

Data Visualization: Tableau, PowerBI, SAS, Python (Matplotlib, Seaborn)

Certifications: Lean Six Sigma (LSS) Black Belt, Scrum Master I, MOS Excel Expert

WORK EXPERIENCE

Operations Analyst

Jun 2024 - Present

Cedars-Sinai

- Directing and managing Quality/Performance Improvement projects and project teams utilizing Lean, Six Sigma, PDSA, Design Thinking and other methodologies.
- Building operational, analytical, and diagnostic dashboards in Tableau with scheduled ETL pipelines to monitor clinic activity, patient follow-ups and conversions.

Research Fellow

Aug 2024 - Present

Gold House

- Research focuses on delivering strategic insights to industry leaders, partnering with academic, commercial, and non-profit institutions on original studies and thought leadership from media to business and entrepreneurship.
- Supporting initiatives and collaborative research through ad-hoc analysis, data collection, visualization, and synthezation of pertinent literature.

Research Assistant, Marketing Analytics

Jul 2023 - Aug 2024

Loyola Marymount University

- Research focused on applications of the Diffusion of Innovation Theory, Technology Acceptance Model (TAM), and Bass Diffusion Model for artificial intelligence and advanced consumer robotics in retailing.
- Contributed to research manuscripts, literature reviews, and performed data cleaning and manipulation on various datasets relating to novel quantitative marketing research.

Research Assistant, Finance Analytics

Jan 2024 - May 2024

Loyola Marymount University

- Research focused on applications of Long Short-Term Memory Networks (LSTM) and Generative Adversarial Networks (GAN) in modeling risk and estimating efficient frontiers within financial portfolios.
- Conducted literature reviews, collaborated with project faculty, and collected large historical stock and ETF closing price datasets.

PROJECTS

IPC Policy Chatbot

May 2024 - Aug 2024

Children's Hospital Los Angeles

- Conducted research in joint collaboration with LMU and USC on applications of generative AI for CHLA's Infection Prevention and Control (IPC) department.
- Designed and implemented a policy-chatbot with a retrieval augmented generation (RAG) architecture using Llama3.1, LangChain, ChromaDB, and on-premise server deployment.
- Final deliverable functioned as an effective tool for the identification and summarization of internal policy documentation, as well as providing source citation links and relevant CDC policies as references.

EDUCATION

Master of Science, Business Analytics - Loyola Marymount University

Bachelor's Degree, Marketing Analytics - Loyola Marymount University

Bachelor's Degree, Economics - Loyola Marymount University