DAVID ARTURO CHAVEZ PEREZ

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DATA ANALYST / DATA SCIENTIST

Master's in Data Analytics from Boston University, with over 1.5 years of experience in financial data analysis and over 1 year of experience in end-to-end Machine Learning projects, applying my expertise in both academic settings and real-world business environments.

EDUCATION

Boston University   **Boston, MA, USA**
Master's in Applied Data Analytics.   May 2024 - May 2025

MITx   **Remote**
Micromaster in Statistics and Data Science.   Jul 2023 - Dec 2024

Universidad del Pacifico   **Lima, Peru**
Bachelor's in Business Engineering.   Mar 2018 - Jun 2023

PROFESSIONAL EXPERIENCE

Ernst & Young (EY)   **Lima, Peru**
Data Analytics Consultant   Aug 2022 - Dec 2023

- Led a team of 3 people responsible for processing financial data in a scrum/agile environment using **JIRA** for coordination and task tracking.
- Developed a market rate prediction tool in **Python** based on banking reports using Big Data(+300MM rows).
- Recognized as the **Most Efficient Processor** for fast response times, having executed 12 financial data processing projects that received outstanding ratings.
- Migrated 10 TB of data using **Azure SQL Database**, reducing internal processing times by 30%.
- Enhanced audit staff satisfaction KPIs in 14% by developing customized financial dashboards in **Power BI.**
- Developed **custom ETL solutions in Alteryx**, reducing data processing time by 23%.

Interbank   **Lima, Peru**
Data Information Management Intern   Mar 2022 - Jul 2022

- Conducted data cleaning and exploratory data analysis (EDA) in **SQL** for large datasets, followed by modeling, optimization, and forecasting using advanced analytical techniques in **R**.
- Developed over 10 dashboards in **Power BI** utilized by C-level executives for strategy generation.

PROJECT EXPERIENCE

- **Churn Analysis:** Developed a Churn prediction model using Python (pandas, numpy, scikit-learn) to analyze the customer turnover in the banking industry. Test it!
- **Cab Analytics Insights**: Analyzed Uber's demand and supply gaps using Python (Python, Scikit-learn, TensorFlow), identified peak times and busiest shifts, optimized driver scheduling, and evaluated key trends over a two-week period. Test it!
- **Cancer Detection Model:** Developed a project to predict the likelihood of new patients developing cancer based on their health features, using R (Caret, Rpart, e1071, xgboost, nnet). Test it!

SKILLS

Programming Languages: Python, R, SQL and C/C++.

Techniques and Tools: Git, Docker, Classification, Regression, Clustering, CNN, RNN, NLP, LLM and Transformers.

Data Manipulation: Python (Scikit-Learn, Numpy, Pandas, Polars, Seaborn, Matplotlib), R, SQL, Alteryx, Azure, PowerBI, Tableu and Excel.

Languages: Spanish (Native) and English (C2-Proficient).