Osvaldo Ruiz

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SUMMARY

Data analyst with 8+ years of experience using Python, SQL, and data visualization to automate reporting, analyze business performance, and deliver insights that drive operational and financial outcomes.

TECHNICAL SKILLS

Data Analysis & Visualization: Advanced Excel (PivotTables, Macros), Power BI, Tableau, Matplotlib
Programming & Analytics: Python (Pandas, NumPy, scikit-learn), SQL, Java,
Databases & Tools: SQL Server, PostgreSQL, Snowflake, BigQuery, Git, GitHub, Jupyter Notebooks
Additional: Data Cleaning, Automation, Dashboarding, Fluent in Spanish
Certification: AWS Cloud Practitioner (In Progress)

PROFESSIONAL EXPERIENCE

The LEAGUE of Amazing Programmers, San Diego, CA: Program Manager   September 2021-Present
- Led operations for a technical school, overseeing 7 staff members and 20+ volunteers, hiring, onboarding and training new instructors to deliver engaging lectures, increasing student retention by 18%.
- Designed advanced Excel reports to track onboarding and training metrics, improving staff retention by 25% and saving the organization $12,350 by recruiting and coordinating volunteers to lead and support coding classes.
- Built and maintained Java and Python curriculum, expanding program reach to 1,000+ students across San Diego.

Border Angels, San Diego, CA: Programs Coordinator   December 2015 - Present
- Created automated Excel reporting systems and implemented volunteer management software using data analysis Developed automated Excel reporting and implemented volunteer management software, saving $40K+ annually through process optimization.
- Architected databases using Snowflake from raw program data, automated reporting through Power BI, and communicated analysis to improve team tracking and decision making, resulting in reaching 150+ volunteers and delivering aid to 2,100+ people along the San Diego border.
- Delivered multiple presentations on program performances based on data-driven insights from program analysis to 600+ participants, strengthening organizational credibility and support which increased monetary donations by 30%.

Starbucks, San Diego, CA: Store Manager   November 2013 - March 2021
- Analyzed business reports to make business decisions; utilizing P&L, daily and weekly reporting to direct a team of 30+ employees in a high-volume $2.5M annual revenue location, increasing profit by 14%.
- Hired, onboarded and trained employees to improve customer satisfaction rating by 230%; using weekly reports to drive employee performance adjustments that improved the customer experience and boosted satisfaction metrics.
- Recognized as Starbucks Manager of the Quarter (FY20/Q1), San Diego Barista Champion (2017), and Coffee Master.

RELEVANT PROJECTS

Economic Dashboard, *Individual Project*   July 2025
- Engineered Python ETL pipeline extracting 13 economic indicators from Federal Reserve (FRED) REST API, processing 10+ years of historical data into PostgreSQL database.
- Designed advanced SQL analytics with window functions computing YoY changes, rolling averages, and yield curve recession probability indicators.
- Built interactive Google Sheets dashboard with automated data refresh tracking GDP, unemployment, inflation, Fed policy, and yield curve inversion signals.

Customer Churn Analysis Dashboard, *Individual Project*   July 2025
- Designed and deployed a Python + Streamlit dashboard comparing Random Forest, Logistic Regression, Decision Tree, and SVM models, achieving 85–90% prediction accuracy.
- Engineered a full ML pipeline using Pandas, scikit-learn, and Plotly with interactive ROC curves, confusion matrices, and feature importance charts.
- Translated churn analysis into actionable retention strategies by identifying key customer drivers from telecom datasets.

US Housing Market Analysis Dashboard, *Individual Project*   August 2025
- Built an interactive Tableau dashboard analyzing 53 years of Census housing data (20K+ records), leveraging cross-chart filtering, dynamic parameters, and multi-period comparisons.
- Delivered insights on 1,670% home price appreciation and regional supply-demand imbalances, improving stakeholder understanding of market trends.

EDUCATION

B.S. Information Technology, Concentration on Information Systems   December 2024
Arizona State University - Ira A. Fulton Schools of Engineering, Tempe, AZ
- Dean's List, Fall 2023