Angel Cruz

Berkeley, CA | (323) - 314 -1585 | cruzangel@berkeley.edu

SUMMARY

Data Analyst with expertise in SQL, Python, and data visualization (Tableau, Excel, Power BI). Adept at collecting, preprocessing, and analyzing large datasets to drive business decisions. Experienced in building dashboards, performing statistical analysis (regression, hypothesis testing, time-series analysis), and collaborating with cross-functional teams. Passionate about using data-driven insights to support business operations and strategic decision-making. Proven ability to collaborate with teams and improve workflows in fast-paced environments.

SKILLS

Data Analytics & Manipulation: Python (Pandas, NumPy, SciPy, Sklearn), R, SQL (MySQL, PostgreSQL, advanced queries, CTEs, joins, optimization) | Data Visualization: Tableau, Power BI, Excel (pivot tables, VLOOKUP, dashboards) | Statistical & Financial Analysis: Forecasting, regression analysis, hypothesis testing | Project Management: Research, documentation, stakeholder collaboration

EDUCATION

Bachelor of Arts **December 2025**

University of California, Berkeley *Berkeley, CA*

- Data Science

PROJECTS

BCG Data Science Job Simulation **February 2025**

Forage

- Analyzed customer churn data (100,000+ records) using Python (Pandas, NumPy) providing business insights to optimize retention strategies.
- Created interactive Tableau dashboards and Excel reports, providing data-driven recommendations to business teams.
- Applied statistical forecasting techniques (regression, time-series analysis) to improve predictive modeling accuracy to 85%.

Analyzing and Transforming Berkeley Sensor Data Building Analytics **Fall 2024**

Berkeley

- Conducted data transformation and preparation on real-world sensor data from UC Berkeley buildings for energy management and occupancy research.
- Performed advanced data wrangling and cleaning using SQL.
- Validated complex many-to-many relationships between tables using relational database techniques.
- Contextualized and analyzed sensor readings by integrating metadata and ontologies, improving data usability for insightful analysis.
- Demonstrated expertise in managing large-scale datasets, relational database design, and extracting actionable insights.

SQL Data Analysis on IMDb Database **November 2024**

Berkeley

- Conducted SQL-based business intelligence analysis, querying 500,000+ IMDb records to uncover industry trends.
- Built SQL reports using joins, CTEs, and subqueries to track box office performance and financial trends over time.
- Optimized data aggregation processes, improving report efficiency by 30%, ensuring data accuracy and usability for executive decisions.