

Alexis Poyourow

Skills

Languages: SQL, Python (Pandas, Numpy, Matplotlib, Seaborn, Statsmodels, Scikit-Learn, XGBoost, Pickle)

Visualization Tools: Grafana, Tableau, Spreadsheets (Pivot Table, VLOOKUP, Conditional Formatting)

Experience

Catalyst Clinical & Coding Analytics, Inc - Data Analyst

JUNE 2025 - PRESENT, IRVINE, CA

- Conducting comprehensive reviews of inpatient, outpatient, and provider bills for consistency with medical diagnosis, procedures, patient demographics, and facility types.
- Applying national coding standards and healthcare regulations to assess claim validity and optimize reimbursement accuracy.
- Reviewing itemized bills, operative notes, and clinical documentation to support negotiation and billing validation processes.
- Preparing clear, concise summaries of findings for internal teams and leadership.
- Collaborating across departments to ensure compliance with HIPAA regulations and best practices.
- Assisting with internal audits and mentoring junior analysts as needed.
- Maintaining strong data accuracy, attention to detail, and adherence to timelines in a high-volume environment.

RecipeSage - Data Analyst Intern

OCTOBER 2023 - MAY 2025, REMOTE

- Performed exploratory data analysis on RecipeSage database.
- Developed and optimized SQL queries to analyze user engagement data (recipe ownership, meal plans, shopping lists), visualizing results in Grafana dashboards.
- Created visualizations to track user behavior over time, including line charts and dials for engagement metrics.
- Conducted word frequency analysis on AI chat messages.

Projects

Employee Retention Analysis | JUNE 2024

- Analyzed 14,999 survey response rows using Python to identify four distinct reasons for employee turnover.
- Developed a regression predictive model that accurately forecasts employee attrition.
- Compiled an executive report summarizing key findings and insights from the analysis.

Case Study: Traffic Commute Analysis | JUNE 2023

- Collected and analyzed 133 rows of commute trip data to derive actionable insights.
- Created pivot tables based on weekday and month to compare data trends effectively.
- Performed key calculations to identify critical metrics, enhancing data interpretation.
- Developed two Tableau dashboards with eight key metric visualizations for analysis.

Certifications

Google- Data Advanced Analytics Certificate | JULY 2024

Google - Data Analytics Certificate | JULY 2023

Education

California State University, Long Beach

Single Subject Teaching Credential | DECEMBER 2019

Bachelor's Degree, Music Performance & Music Education | May 2018