Alexis Poyourow

Skills

Languages: SQL, Python (Pandas, NumPy, Matplotlib, Seaborn, Statsmodels, Scikit-learn, XGBoost, Pickle)
Visualization Tools: Grafana, Tableau
Spreadsheets: Microsoft Excel (Pivot Tables, VLOOKUP/XLOOKUP, Conditional Formatting, Filtering, Macros)

Experience

Catalyst Clinical & Coding Analytics, Inc - Data Analyst
JUNE 2025 - NOVEMBER 2025, IRVINE, CA
- Analyze inpatient and outpatient billing data in Microsoft Excel and review medical documentation to ensure coding and regulatory compliance.
- Validate and reconcile high-volume claims in Excel, reviewing an average of 15 claims weekly to improve reimbursement accuracy.
- Maintain cost reports and bed-day capacities for 200+ hospital facilities using the American Hospital Directory, ensuring data integrity and timely reporting.
- Partner with Outreach to obtain and verify documentation from 50+ facilities weekly for internal processing.
- Collaborate with Outreach leadership to enhance proprietary software, reducing manual processing time by 20%.
- Mentor junior analysts and support internal audits to uphold HIPAA compliance and quality standards.

RecipeSage - Data Analyst Intern
OCTOBER 2023 - MAY 2025, REMOTE
- Performed exploratory data analysis on the 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