JENNIFER IGNACIO

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EXPERIENCE

Fiscal Analyst   **December 2024-Present**
New Jersey Department of Health
- Query, filter, and transform financial data from SAP Business Objects, exporting reports to Excel for further manipulation and reconciliation.
- Cross-reference vendor payments and transactions between BuySpeed, internal accounting systems, and Business Objects, ensuring data consistency and accuracy.
- Develop and structure financial reports in Excel with remittance details, reconciling discrepancies through data validation and analysis before distribution.

Consumer Insights Data Analytics Extern   **September 2024-October 2024**
Extern in partnership with Beats by Dr. Dre
- Developed ETL pipelines to extract, clean, and structure Amazon review data using Oxylabs API & Python for trend analysis.
- Implemented sentiment analysis and machine learning using Gemini AI in Python workflows identifying insights for product optimization and brand strategy.
- Delivered data-driven insights and recommendations to Beats executives, enabling strategic decision-making.

Medical Scribe (Hematology/Oncology Specialty)   **March 2023 - July 2023**
Aquity Solutions - Yale New Haven Health
- Processed and managed 1,600+ patient records in Epic/EMR systems, ensuring strict HIPAA compliance and enhancing patient data accuracy to facilitate seamless staff access and patient care.
- Streamlined workflows by identifying bottlenecks and collaborating with healthcare teams, resulting in more efficient data management and improved operational processes.
- Created and reviewed Epic/EMR records, identifying and resolving documentation errors to ensure high-quality data and support accurate clinical decision-making.

Health Access Intern   **January 2022 - May 2022**
Nationalities Service Center
- Managed 500+ referrals to support grant-funded program activities, assisting the case management team in advocating for refugee and LEP clients through appointment scheduling, insurance troubleshooting, budget tracking, and ACA enrollment.
- Increased client follow-up rates by leveraging data management tools and conducting comprehensive initial health assessments, ensuring improved client engagement and continuity of care.
- Led project management efforts to streamline registration processes, enhancing client satisfaction and operational efficiency while maintaining HIPAA compliance in managing medical histories and safeguarding sensitive data.

PROJECTS

Rockbuster Streaming Service Analysis *(SQL + PostgreSQL | Data Processing & Reporting)*
- Developed and optimized SQL queries in PostgreSQL to extract, clean, and analyze structured streaming data from a simulated streaming platform.
- Designed and implemented relational database schemas, improving query performance and data retrieval efficiency.
- Created SQL-driven reports and join table calls, identifying patterns in content engagement, performance, and audience segmentation.

Climate Data Analysis *(Python | Machine Learning & EDA)*
- Designed data pipelines using Python, automating the ingestion and processing of climate datasets for predictive modeling.
- Trained and fine-tuned Keras models (CNN, ANN, Decision Trees, Random Forest, RNN), improving predictive accuracy from 40% to 87%.
- Conducted feature importance analysis using Pandas, NumPy, and Matplotlib to refine model performance and prevent overfitting.

Weather App *(React + OpenWeather API | User Experience & State Management)*

- Developed a React-based real-time weather app using OpenWeather API that dynamically updates based on user input.
- Implemented user feedback mechanisms with React Toastify for error handling, improving data reliability and user experience.

SKILLS

Programming & Scripting:
Javascript, Node.js, Python (Pandas, NumPy, Keras, TensorFlow, Scikit-Learn), SQL (PostgreSQL, Oracle SQL), HTML, CSS

Software Development & Tools:
Git, REST APIs
React.js
Document Object Model (DOM)

Data &Analytics Tools:
SAP Business Objects, Tableau, Power BI, Excel (VLOOKUP, XLOOKUP, Pivot Tables, Conditional Formatting, Variance Analysis), SPSS, SAS

EDUCATION

Npower   New York, NY
 Full Stack Development Program   Expected - April 2025

Career Foundry   Berlin, Germany
 Data AnalyticsProgram, Certificate   July 2024

Rutgers, The State University of New Jersey   New Brunswick, NJ
 Bachelor of Science in Public Health, Minor in Biology and Statistics   May 2022