JOSE NICOLAS CURREA

jncurrea@utexas.edu| (737) 381-9838

https://jncurrea.github.io/Portfolio/• https://www.linkedin.com/in/jose-nicolas-currea/• Austin, TX

SKILLS

- **Programming Languages:** Python, R, SQL, JavaScript, HTML, CSS
- **Big Data & Analytics:** Snowflake, Redshift, PGSQL, MySQL, Looker, Tableau, PowerBI, Informatica, data cleaning, visualization, dashboard lifecycle (design, development, maintenance)
- **Data Science & Machine Learning:** Python (pandas, scikit-learn, numpy, matplotlib), customer segmentation, route optimization, transaction monitoring, NLP modeling, A/B testing, ETL, predictive modeling, statistics

EXPERIENCE

Bank of Bogota (Commercial Banking) | Sr. Data Analyst - Bogotá, Colombia   October 2022 - July 2024
- Developed a random forest-based customer segmentation model, to enhance customer knowledge and understanding, identifying over 100,000 potential new digital channel users, increasing digital adoption by 2%
- Created an NLP model using Amazon SageMaker and the nltk and vader packages, helping analyze customer satisfaction (NPS) and improve it by 5 points within six months
- Conducted transaction monitoring data analysis and system implementation, improving digital adoption metrics by 7% from Q4-2022 to Q4-2023
- Mentored a team of two analysts in models such as decision trees, logistic regression, k-NN, k-Means clustering, and PCA, improving their proficiency in feature engineering, model selection, and model evaluation

Merqueo (Online Grocery Delivery Service) | Jr. Data Analyst - Bogotá, Colombia   March 2022 - October 2022
- Led a dynamic team in standardizing, consolidating, and migrating over 50 PostgreSQL tables into 10 optimized Redshift information cubes, achieving an 80% reduction in query processing time
- Developed a route optimization model in Python using k-means clustering algorithms for efficient logistics, reducing delivery times to under 50 minutes
- Implemented data governance best practices and built a series of Looker dashboards to monitor data integrity, directly improving operational efficiency by 8% across multiple regions (Colombia, Mexico, Brazil)
- Trained cross-functional teams in data modeling and analysis techniques using Airflow and Looker, improving data quality and consistency by 40%

Puntos Colombia (Loyalty Program) | Business Intelligence Analyst - Bogotá, Colombia   June 2021 - August 2021
- Developed a predictive churn model to maintain key strategic alliances, enhancing the proactive identification and retention of high-risk partners within the loyalty program
- Partnered with the Marketing team to successfully retain over 5 at-risk partners identified by the churn model, by crafting targeted retention strategies aligned with model-driven insights

Projects

SnapChef (McCombs School of Business)   August 2024 – October 2024
- Built an image analytics model in Python using AWS S3 and OpenAI's GPT API to automate ingredient extraction from user-uploaded food images
- Automated recipe data extraction using Python's BeautifulSoup and Selenium, collecting ingredients, preparation times, ratings, and user reviews from multiple category pages
- Developed an LLM-based system to generate user prompts and assign feasibility scores to recipes based on ingredients and dietary needs

EDUCATION

The University of Texas at Austin – McCombs School of Business   July 2024
Master of Science, Business Analytics   S.T.E.M Degree
The University of Texas at Tyler   December 2021
Bachelor of Science, Double Major, Mathematics & Information Technology (Honors Program)   S.T.E.M Degree

ADDITIONAL INFORMATION

Languages: Spanish (Native), English (Native), French (Beginner)
Interests: Soccer**,** Tennis, Weightlifting, Obstacle Racing, Sport Videogames, Sports Statistics