

JOSE NICOLAS CURREA

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Summary

Data Analyst with 4 years of expertise in leveraging advanced analytics and machine learning to drive business growth. Proven track record of delivering measurable results through cross-functional collaboration and effective communication with non-technical stakeholders. Expert at solving complex problems with tools like Python, SQL, and Tableau, while mentoring teams and fostering data-driven decision-making

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

- Achieved a 2% increase in digital adoption and identified over 100,000 potential digital channel customers by developing and implementing a customer segmentation model using random forests, collaborating with marketing teams to enhance insights and engagement
- Improved customer satisfaction metrics (NPS) by 5 points in six months by creating an NLP model using Amazon SageMaker with nltk and vader, enabling deeper analysis of customer feedback
- Boosted digital adoption metrics by 7% through detailed analysis of customer engagement trends and transaction monitoring, delivering insights in tailored presentations to senior executives for strategic decision-making.
- Improved team technical capabilities in decision trees, logistic regression, and clustering techniques by mentoring two analysts, enhancing their ability to present technical findings effectively to cross-functional stakeholders

Merqueo (Online Grocery Delivery Service) | Jr. Data Analyst - Bogotá, Colombia

March 2022 - October 2022

- Reduced query processing time by 80% by leading a team to standardize, consolidate, and migrate over 50 PostgreSQL tables into 10 optimized Redshift information cubes
- Cut delivery times to under 50 minutes by creating a route optimization model in Python using k-means clustering and coordinating with logistics teams to ensure alignment with operational needs
- Improved operational efficiency by 8% across regions (Colombia, Mexico, Brazil) through the design and development of Looker dashboards, simplifying supply chain insights for non-technical stakeholders and improving resource allocation
- Improved data quality and consistency by 40% by training cross-functional teams in data modeling and analysis techniques using Airflow and Looker

Puntos Colombia (Loyalty Program) | Business Intelligence Analyst - Bogotá, Colombia

June 2021 - August 2021

- Retained five at-risk partners by creating a predictive churn model and collaborating with marketing teams to implement targeted retention strategies based on the model's 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 - May 2025

Master of Science, Business Analytics

S.T.E.M Degree

The University of Texas at Tyler

August 2017 - 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