Carlos Barbosa

Data Scientist

Contact:
Email: carlos_@live.com
Website: www.databarbosa.com

Professional Summary

A data science professional with over a decade of experience across various industries, focusing on Data Analysis. Graduated with a Master's Degree in May 2024. Skilled in Excel, Python, R, Machine Learning, algorithm development, and Business Intelligence. Known for a client-oriented approach and diverse sector experience. Demonstrates effective use of data analysis for decision-making, process improvement, and communicating complex insights to non-technical stakeholders.

Work History

Adjunct Faculty - Artificial Intelligence Thinking
Miami Dade College, ENTEC Department, Miami, FL   January 2025 - Current

- Teach **Artificial Intelligence Thinking** and **Machine Learning**, introducing students to AI concepts, tools, and applications.
- Develop and deliver engaging lesson plans that include hands-on projects and real-world examples.
- Foster a collaborative learning environment to encourage critical thinking and innovation in AI topics.
- Assess and provide constructive feedback on student work to support their academic and professional growth.

Database and Report Analyst
Miami Dade College, Miami, FL   June 2023 - Current

- Lead data collection and reporting for the School of Science, ensuring accuracy and timeliness of student data for institutional analysis.
- Analyze and track cohort performance, reporting on key metrics such as admission rates, retention, graduation, and transfer rates, with a focus on year-over-year improvements as per grant requirements.
- Use Power BI for data modeling, DAX calculations, and dashboard visualization to provide insights on cohort analysis and trends in admission, retention, and student success.
- Track student enrollment by ZIP code and high school, enabling targeted marketing efforts to increase admissions in specific areas.
- Develop dashboards to track student grades and attendance, providing advisors refined insights to enhance student completion and overall success rates.
- Build reports and present grant progress to stakeholders, aligning with institutional and grant objectives.
- Developed Python automation scripts, increasing data processing efficiency.
- Designed and maintained SQL databases, conducted data mining with Power Query, and built robust data models to support decision-making.
- Trained staff on data tools and reporting platforms, enhancing data literacy and fostering a data-driven decision-making culture.

Customer Service Representative (Part Time)
- 8 hrs/week **Adrienne Arsht Center, Miami, Florida**   June 2023 - Current
- Responded to customer requests for shows, services, subscriptions, and company information, ensuring a high level of customer satisfaction.
- Acted as a concierge, assisting customers in selecting the best seats for shows based on preferences.
- Maintained up-to-date customer records by updating account information accurately.
- Implemented forward-thinking strategies to maintain customer satisfaction and foster loyalty.

Data Analyst Intern (Part Time)
5 hrs/week **Belafonte TACOLCY Center, Miami, FL**   March 2023 - December 2024
- Collected and analyzed data from various sources to identify trends and areas for improvement.
- Evaluated program effectiveness and provided actionable recommendations based on data analysis.

- Created and maintained a unified database and dashboard for key metrics visualization.
- Cleaned and organized data to ensure accuracy and consistency in reporting.
- Developed data reports and visualizations to communicate insights to stakeholders.
- Provided technical support and training on data management tools and systems.

Captain
Mr. Chow, Miami Beach, FL   November 2018 - August 2023

- Provided exceptional dining experiences through friendly, responsive service to customers.
- Led station operations and coordinated team efforts to ensure seamless service.
- Trained new employees on service standards and operational procedures.
- Built rapport with customers to encourage repeat visits and promoted loyalty programs.
- Maintained financial accountability by handling transactions with confidentiality and precision.

Assistant Manager
Imperial Painting, Deerfield Beach, FL   February 2017 - November 2018

- Completed supply inventory management to maximize top-line sales growth.
- Managed orders and purchases for ongoing projects, ensuring timely delivery of services.
- Prospected new clientele through strategic marketing and customer relationship efforts.
- Directed the operations team, delegating tasks and optimizing work processes.
- Produced monthly and weekly sales and operational reports for performance tracking.

Analyst Intern
PD Design & Service, Boca Raton, FL   June 2015 - December 2015

- Conducted field surveys and monitored team activities to enhance service quality.
- Updated documentation in company databases to ensure accuracy of records.
- Monitored shipments and deliveries to ensure timely schedule adherence.
- Created management spreadsheets for customer estimates, improving operational efficiency.
- Collected, reviewed, and controlled supply costs to optimize budget allocation.

Financial Analyst
BVL Group, Brazil   March 2011 - March 2013

- Managed financial operations for all dealerships within the BVL Group.
- Created management reports for strategic meetings to support executive decision-making.
- Produced and distributed daily, weekly, and monthly sales reports for internal use.
- Managed accounts payable and receivable to ensure financial accuracy and compliance.
- Consolidated selling costs to calculate the real profit margin for each sale.

Education

Master of Science: Data Science
University of Texas At Austin - Austin, Texas   August 2021 - May 2024

- GPA: 3.6
- Relevant Coursework: Machine Learning, Predictive Models, Data Exploration, Deep Learning
- Research Project: Mitigating Dataset Artifacts Through Fine Tuning and Ensemble-Based Training

Bachelor of Science: Industrial Engineering
FAESA   January 2011 - January 2016

- GPA: 3.2
- Teacher Assistant for Calculus I, Physics I, and Logistics II

Skills

- Data Analysis
- Statistical Analysis
- Data Visualization
- SQL

- Python
- R
- Power BI
- Microsoft Excel

- Analytical Skills
- Leadership Skills
- Policies and Procedures
- Project Management

Languages

- English: Excellent
- Portuguese: Excellent
- Spanish: Average

Additional Courses/Certifications

- DavidsonX - Introduction to SQL Management System
- DavidsonX - Analyzing and Visualizing Data with Power BI
- 365 Careers - Introduction to Business Analytics
- University of Maryland - Methodology SCRUM - Agile