

SEBASTIAN MONTERO

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Data Scientist and Machine Learning Engineer with 3+ years of experience in analytics, business intelligence, and predictive modeling at Emerson Electric (Fortune 500). Built and maintained 15+ Power BI dashboards supporting \$34M+ in proposals across 8 Latin American markets. Trilingual professional (Spanish, English, Portuguese) with proven ability to deliver results in multinational, cross-functional environments. Currently pursuing an M.S. in Data Science & AI at Florida International University. Available for full-time remote work from the US, with relocation flexibility to Costa Rica.

PROFESSIONAL EXPERIENCE

Emerson Electric (Fortune 500)

San José, Costa Rica

Proposal Engineer | Data Analytics & Business Intelligence

May 2021 – May 2024

- Designed and deployed 15+ Power BI dashboards (DAX, Power Query, Power BI Service) tracking proposal pipeline, win rates, and market trends across 8 Latin American markets, supporting \$34M+ in quoted proposals.
 - Conducted pricing analysis and competitive intelligence using SQL and Python, identifying market patterns that improved bid strategy and proposal win rates.
 - Automated 10+ reporting workflows and data pipelines using Power Automate (RPA), reducing manual effort by 10+ hours/week and enabling real-time decision-making.
 - Collaborated with cross-functional teams (sales, engineering, finance) across Costa Rica, Colombia, Mexico, and Brazil, translating complex datasets into executive-level insights for regional leadership.
 - Managed full proposal lifecycle for industrial automation solutions: data collection, technical analysis, pricing strategy, and stakeholder presentations to C-level executives.
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EDUCATION

Florida International University (FIU)

Miami, FL

M.S. in Data Science and Artificial Intelligence

Aug 2025 – Dec 2026

- Relevant coursework: Machine Learning, Deep Learning, Statistical Modeling, NLP, Data Engineering, Big Data Analytics.

ULACIT

San José, Costa Rica

B.S. in Electrical and Electronics Engineering | GPA: 3.7/4.0 | Cum Laude Probatus

Jan 2019 – Dec 2021

SELECTED PROJECTS

NBA Game Predictor

github.com/seb17as/NBA-Game-Predictor

Python | XGBoost | Scikit-learn | Pandas | nba_api

- Built ML classification model predicting NBA game outcomes using team box score statistics across multiple seasons.
- Applied proper train/test splitting to prevent data leakage; evaluated with cross-validation and feature importance analysis.

PolyMoney – Real-Time Prediction Market Monitor

github.com/seb17as/PolyMoney

Python | REST APIs | Polymarket Data API | Telegram Bot API

- Developed real-time monitoring system polling the Polymarket API to track wallet activity and detect new trades.
- Integrated Telegram Bot API for instant push notifications; designed for scalable multi-wallet monitoring.

Spotify Global Hits Analysis

github.com/seb17as/spotify-global-hits-analysis

Python | Scikit-learn | Seaborn | Logistic Regression | Random Forest | K-Means | PCA

- EDA and ML classification on Spotify chart data across 73 countries; identified audio feature patterns driving regional vs. global streaming popularity.

Ultra-Processed Food Classification

github.com/seb17as/Ultra-Processed-Food-Classification

Python | Scikit-learn | Decision Tree | Random Forest | ColumnTransformer

- Binary classification pipeline predicting ultra-processed food products; robust preprocessing with ColumnTransformer and multi-model comparison.

Car Price Analysis

github.com/seb17as/Car-Price-Analysis

R | ggplot2 | tidyverse | MASS

- Statistical analysis of vehicle pricing using multiple linear regression; identified key pricing drivers through model interpretation.
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TECHNICAL SKILLS

Programming: Python, SQL, R

Machine Learning & AI: XGBoost, Scikit-learn, Random Forest, Decision Trees, Logistic Regression, K-Means, PCA, Neural Networks, Deep Learning

Data Science: Statistical Modeling, Feature Engineering, Model Evaluation, Cross-Validation, EDA, A/B Testing, Data Cleaning

Libraries & APIs: Pandas, NumPy, Matplotlib, Seaborn, nba_api, Polymarket API, Telegram Bot API

BI & Visualization: Power BI (DAX, Power Query, Service), Matplotlib, Seaborn, ggplot2

Cloud & Data Tools: AWS (familiar), Snowflake (familiar), Databricks (familiar), Git, GitHub, Jupyter, VS Code

Web Development: Next.js, React, Tailwind CSS, Netlify, npm, HTML/CSS

Collaboration: Slack, Microsoft Teams, Jira, Confluence, Power Automate, Async Documentation

LANGUAGES

Spanish (Native) | **English** (Fluent) | **Portuguese** (Professional Working Proficiency)

ADDITIONAL INFORMATION

- Costa Rican citizen; legally authorized to work in Costa Rica. Currently based in the US for graduate studies at FIU with flexibility to relocate back to CR.
- 3+ years working in multinational teams across LATAM (Costa Rica, Colombia, Mexico, Brazil) with full fluency in English and Spanish for business communication.
- Available for US and LATAM time zone overlap (EST/CST). Experienced with remote and hybrid work environments.
- Actively building a data science portfolio at seb17as.com with end-to-end ML projects and open-source contributions.