

JOSE MÁRQUEZ JARAMILLO

Quantitative Analyst and Developer | Python & Data-driven Insights | Portfolio and Asset Management

📞 (305) 924-4500 @ jose@josemarquez.us josemarquez.us 📍 Miami, United States

SUMMARY

Quantitative developer with experience in building data-intensive applications and solutions in a financial service and asset management setting. Proficient in data analysis, visualization, and mining, statistical methods, financial modeling, investment management, and quantitative analysis.

EDUCATION

-  Master of Science in Artificial Intelligence (expected 2026)
Johns Hopkins University
-  Master of Science in Computational Finance and Risk Management
University of Washington
-  Master of Science in Economics
Florida Atlantic University
-  Bachelor of Science in Business Economics and Finance
University of Central Florida

EXPERIENCE

Senior Vice President/ Optimized Analytics - Global Investment Lab

- Citi**
- 📅 05/2022 - Present 📍 Miami, United States
- Developed a Python onboarding framework migrating portfolio-analytics from Excel to production. Reduced manual effort by 90% and lowered refresh time from hours to minutes for 60 analysts at Citi Private Bank's global portfolios.
 - Re-engineered Outlook Watch list in Python/SQL, automating thematic-exposure analytics and expanding adoption business-wide while cutting refresh latency from overnight to hourly. Winner, 2024 Global Private Banking Innovation Award.
 - Applied Python/SQL data-mining to sift portfolio-holdings data, surface thematic exposures, and deliver ad-hoc, data-driven briefs that informed CIO asset-allocation decisions across Citi Wealth.

Senior Data Analytics Consultant

- Santander Private Banking International**
- 📅 01/2019 - 05/2022 📍 Miami, United States
- Led the end-to-end build of a Tableau–Python/SQL analytics platform (migrated from static weekly PDFs), accelerating report delivery 5× (weekly batch → daily refresh) and adding new KPIs and drill-downs, powering insight for 180 private bankers and 50 advisors.
 - Built 20+ Tableau dashboards spanning CEO, commercial-management, investment, and operations lines, surfacing first-ever visibility into transactions, net-new-asset growth, platform flows, and client-onboarding KPIs and eliminating ad-hoc data pulls (Python/SQL ETL).
 - Built Python/SQL data pipelines for investments and management, utilizing analyses to uncover trends, aiding data-driven strategy execution.

Investment Advisor

- Santander Private Banking International**
- 📅 06/2017 - 01/2019 📍 Miami, United States
- Ranked as top advisor across my team by 28 Relationship Managers for advising 2,000+ Premier client portfolios valued \$2-5M each using a systematic data-driven approach.

Product Analyst

- Santander Private Banking International**
- 📅 06/2014 - 06/2017 📍 Miami, United States
- Designed and developed database systems to identify investment opportunities for over 10,000 clients and 23Bn in AUM across Banking & Investment Services and Fund Wrap programs.
 - Analyzed and managed model portfolio analytics and risk for Fund Wrap (2Bn AUM) focusing on service-level agreements and asset allocation committees, focusing on performance attribution.
 - Improved identification of investment opportunities for 10,000+ clients managing \$23Bn AUM by designing advanced database systems.

TECHNICAL AND FINANCIAL SKILLS

Python	Pandas	NumPy
Scikit-learn	PyTorch	R
AWS S3	Airflow	Git
		Tableau
Statistical Methods		Mathematical Finance
Machine Learning		Reinforcement Learning
MLOps	Asset Allocation	
Portfolio Analytics		Portfolio Construction
Portfolio Optimization		
Financial Risk Modeling		
Investment Management		

PROJECTS

- Evaluating GRU powered trading systems – the case of cryptocurrency markets.
- 🔗 <https://drive.google.com/file/d/1S0YLx-GamFj7mCTC2-dFITq4RCCy6aZd/view?usp=sharing>

AWARDS

- 2025 Citi Wealth Hackathon Finalist
- 2024 Global Private Banking Innovation Award: Best Product Innovation for Outlook Watch list.
- 2021 SPBI's Key Talent Development Program.
- 2018 Santander's Young Leaders of Tomorrow Program.
- 2017 SPBI's Talent & Excellence Program: First Place.

ADDITIONAL EXPERIENCE

- Strategy Analyst
- Santander Private Banking International**
- 📅 09/2013 - 05/2014 📍 Miami, United States
- Graduate Teaching Assistant
- Florida Atlantic University**
- 📅 01/2013 - 12/2024 📍 Boca Raton, United States
- Senior Economics Tutor
- University of Central Florida**
- 📅 2012 - 2013 📍 Orlando, United States