Frank Mediavilla

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Education

Åbo Akademi University — Turku, Finland
Erasmus Mundus Joint Master Degree EDISS (Data Science) — Aug 2026 - Ongoing

Florida International University — Miami, FL
BS Computer Science *GPA: 3.75 (Magna Cum Laude)* — Aug 2021 - May 2025

Certifications & Professional Development

Bloomberg Market Concepts (BMC) — Bloomberg
Gained proficiency in financial markets analysis, Bloomberg Terminal functionality, and core concepts like economics, fixed income, and equities. — Jan 2025

Blackstone Diverse Innovator's Program — Blackstone
Selected for Blackstone's Diverse Innovator's Program, gaining insights into fintech and investment strategies through workshops and networking with top leaders in their Miami Headquarters. — Apr 2024

Experience

Extern — Finland (Remote)
AI Extern, Wayfair — May 2026 - Aug 2026

- Built multiple AI agents using n8n, enabling automated workflows with APIs for trend detection, competitor tracking, and marketing content generation.
- Conducted in-depth trend analysis across the home goods sector, identifying patterns in consumer demand, style preferences, and design narratives; tracked competitor pricing, launches, and campaigns to extract structured insights.
- Consolidated agent outputs into a live-updating Google Sheets dashboard, integrating trend signals, competitive benchmarks, and AI-generated insights to support category decision-making.

Invisible Technologies — Ecuador (Remote)
Audio Agent Evaluator — May 2026 - Aug 2026

- Evaluated conversational AI agents by assessing comprehension, response quality, task completion, and adherence to business rules.
- Audited JSON tool-call outputs to identify hallucinations, parameter errors, workflow failures, and compliance issues.
- Validated tool selection, parameter accuracy, and multi-step workflow execution across agent interactions.
- Generated labeled training data and qualitative feedback to improve model performance and reliability.

StartupFIU — Miami, FL
Data Analyst Sprintern — Jan 2024 - May 2024

- Analyzed and feature engineered demographics data using Pandas and Excel
- Conducted data analysis using natural language processing (NLP) models

CDR Companies — Miami, FL
Business Intelligence Intern — Aug 2023 - Dec 2023

- Tested and developed features on the CDR Health Salesforce platform by opening and updating Jira tickets
- Analyzed database objects, and visualized them with Tableau
- Created a dashboard component simplifying object insertion into the SQL database

Skills

Programming Languages:	Java, Python, SQL, Apex, CSS, Html, JavaScript, React, Node.js
Human Languages:	English (Fluent), Spanish (Fluent), Portuguese (Intermediate)
Software:	Salesforce, Tableau, MySQL Workbench, Flask, IntelliJ, Excel, PowerBI

Projects

Vista Trade *React, Typescript* — https://vistatrade.onrender.com/
Frutiger Aero-inspired React web app that helps you track stock prices with a real-time API and build a portfolio. Provides analytics for both stock prices and trading volume

Portfolio Website *CSS, HTML* — https://frank-mediavilla.netlify.app/
Personal website showcasing my featured projects and Tableau/PowerBI dashboards

Research

Optimizing Post-Disaster Road Restoration with Reinforcement Learning: A Traveler-Behavior-Aware Approach — https://dx.doi.org/10.2139/ssrn.5187418