

Maria Rodriguez

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EDUCATION

Florida International University

Bachelor of Arts in Computer Science

Certificate in Cybersecurity Intelligence & Information Policy

- **GPA:** 3.72 – Magna Cum Laude
- **Scholarships & Awards:** Magna Cum Laude, Dean's List: Fall 2023 – Summer 2025, Academic Achievement Award

Miami, Florida

Graduated - August 2025

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, C/C++

Frameworks & Libraries: React, Node.js, Express, Django, Spring Boot, Flask, TensorFlow, OpenCV

Cloud & DevOps: AWS (EC2, Lambda, S3), Docker, Git/GitHub, Postman

Databases: PostgreSQL, MongoDB, MySQL

ENGINEERING PROJECTS

Atmosphere Analyzer: Real Time Monitoring Dashboard | [Source Code](#) Python | React | Django | WebSockets

- Architected a real-time dashboard streaming live weather and AQI data via Django Channels Websockets
- Integrated OpenWeatherMap + OpenAQ APIs with EPA AQI conversion and stateful simulation fallback for zero downtime
- Built an interactive React dashboard with alert thresholds, compare-cities mode, rolling time-series charts, and Leaflet maps

Leaf-Medic: Computer Vision & ML System | [Source Code](#) Python | TensorFlow | OpenCV | Raspberry Pi

- Deployed TensorFlow Lite MobileNetV1 on Raspberry Pi achieving 90%+ accuracy across 16 disease classes
- Engineered preprocessing pipeline with automatic dtype detection, channels transposition, and dynamic input sizing
- Developed modular PyQt6 GUI with confidence-ranked predictions and 43-disease treatment database via QThread

Micro-Investment Full-Stack Platform | [Source Code](#) React | Node.js | Express | MongoDB | Alpha Vantage API

- Built JWT authentication with bcrypt hashing and Express middleware, enforcing per-user data ownership on all routes
- Integrated Alpha Vantage and News API with server-side caching to handle rate limits and serve real-time stock data
- Developed MERN trading platform with live price previews, Chart.js trend charts, per-trade P&L tracking, and leaderboard

Supply Chain Visualizer: Logistics Dashboard | [Source Code](#) Java | Spring Boot | React | PostgreSQL | Docker

- Designed 20+ REST endpoints across shipments, inventory, and analytics resources using Spring Boot and Spring Data JPA
- Secured all routes with Spring Security + JWT stateless authentication and configured CORS for cross-origin requests
- Dockerized backend with multi-stage builds and deployed via Render Blueprint IaC with Leaflet maps and Chart.js

PROFESSIONAL EXPERIENCE

Technical Operations Associate

June 2022 – Present

JETSET Pilates

- Administered Mindbody platform for scheduling, payments, and account management as primary technical point of contact
- Diagnosed and resolved client-facing booking and payment failures through systematic troubleshooting

Full-Stack Web Developer

January 2019 – November 2020

Style Link Miami

- Overhauled Shopify storefront by replacing the theme entirely, rebuilding navigation, collections, and product organization
- Maintained live site with ongoing frontend updates, product listings, and content changes

Web Developer & Marketing Intern

July 2018 – December 2018

Hannah Bella Collections

- Built brand's first Shopify storefront from scratch, configuring checkout, payments, shipping, and store settings end-to-end
- Developed product catalog, navigation, and collections with custom HTML and CSS in mobile-friendly layouts