

# MARCO CHAPARRO

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## EDUCATION

### Florida International University; Miami, FL

Expected December 2024

Bachelor of Science in Computer Science

**Relevant coursework:** Programming I and II, Data Structures, Statistics, Software engineering I and II, Advance Database management, Computer Architecture, Systems Programming, AI, Net Centric Computing, Software testing, ML

### Miami-Dade College; Miami, FL

Associate of Arts

May 2022

- Honors: Dean's List

## SKILLS

**Programming languages and technologies:** Java, Python, JavaScript, C++, C, Git, GitHub, Apex, Microsoft Excel, Pytorch , Scikit-learn, Tensor-flow, Keras, NumPy, Pandas, R, MySQL, MongoDB, SQL, Junit, Maven, Springboot, Postman.

**SalesForce Badges :** Beginner developer. **Languages :** English (Fluent), Spanish (Native).

## WORK EXPERIENCE

### Champion Air Cargo | Miami – FL

October 2020 - September 2022

IT assistant & Cargo agent

- Designed and implemented a Python application to automate the creation of Proof of Delivery (POD) documents, reducing manual workload by 1.5 hours daily and achieving a 50% reduction in errors.
- Handled B2B communication efforts delivering fares, ETA, options of transport, and any outstanding information on a daily basis on all shipment logistics.
- Updated CRM database through quarterly reviews to ensure proper communication with clients and suppliers. Built objects and added fields and relationships to an existing app in Salesforce to accommodate company needs.

## PROJECTS

### Stock Market Prediction Model

July 2024 - Present

- Analyzed various stock fundamentals using Random Forest and K-Nearest Neighbors (KNN) algorithms to develop a predictive model for near-future stock closing prices.
- Extracted historical data from the Yahoo Finance API and standardized it with Pandas, ensuring data integrity and readiness for model training.
- Achieved a precision score exceeding 60% with minimal variance, demonstrating the model's effectiveness and reliability in predicting stock prices.
- **Technologies :** Python, NumPy, Scikit-learn.

### Job Application Organizer

September 2024 - Present

- Developed a job application organizer tool that tracks job applications, organizes them based on status (applied, interview, offer), and provides reminders for follow-ups.
- Collaborated with team members to successfully integrate backend and frontend components, ensuring seamless functionality and enhancing the overall user experience.
- Integrated the project with a MySQL database to enable persistent storage of user information and application details, enhancing data reliability and facilitating efficient querying for improved application performance.
- **Technologies :** Spring Boot, MySQL, RESTful API, Postman, Springboot Security, JWT

### Money Way (Shellhacks 2024)

September 2024

- Developed a web application that provides personalized financial literacy recommendations through a quiz, enhancing user engagement and knowledge.
- Implemented a Spring Boot framework to create a robust backend, utilizing RESTful APIs for seamless communication between the frontend and backend components.
- Integrated the ChatGPT API to leverage advanced prompt engineering, enabling dynamic response generation based on quiz results for tailored user recommendations.

## LEADERSHIP

### INIT member

October 2022 - Present

#### INIT Ignite Program K-12 Tech Mentor

August 2024 – Present

- Develop and deliver engaging lessons on computational critical thinking and computer science concepts using Python and Scratch, empowering underserved K-12 students to enhance their problem-solving skills and foster a love for technology.