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, Spring boot, Spring boot Security, Junit, Maven, Python, Pytorch, Scikit-learn, Keras, Pandas, NumPy, JavaScript, TypeScript, Next.js, Tailwinds, C++, C, Git, MySql, MongoDB, SQL, PostgreSQL, Postman.
SalesForce Badges : Beginner developer. **Languages** : English (Fluent), Spanish (Native).

WORK EXPERIENCE

Dream In Green X INIT Build | Miami-FL   **August 2024 - Present**
Developer
- Participate in a 9-week development program with weekly sprints to improve the "Recyclepedia" app and website for Dream in Green (DIG) a Miami based 501(c)(3) nonprofit commissioned by Miami-Dade County.
- Design and develop a dynamic feature using React and Tailwind CSS that enables users to easily locate the nearest recycling plants. This feature will leverage geolocation capabilities to provide accurate, location-based results.
- Implement API calls using Axios to efficiently retrieve and manage recycling location data from a centralized database maintained by municipal recycling companies. This integration will facilitate seamless access to up-to-date information about recycling facilities

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

Job Application Organizer   **September 2024 - Present**
- Develop a job application organizer tool that tracks job applications, organizes them based on status (applied, interview, offer), and provides reminders for follow-ups.
- Collaborate with team members to successfully integrate backend and frontend components, ensuring seamless functionality and enhancing the overall user experience.
- Integrate 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, Spring Boot Security, JWT.

Money Way (Shellhacks Hackton 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.
- **Technologies :** Spring Boot, MySQL, OpenAI API, RESTful API, Postman.

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.