JOSE M. LOPEZ

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EDUCATION

University of South Florida   Tampa, Fl
Bachelor's in Computer Science • Minor in Mathematics
GPA: 3.83

EXPERIENCE

Citigroup   Tampa, Fl
ICG Technology Summer Analyst: June-August 2023
- *Designed and implemented code within an agile/scrum development cycle*
- *Participated in pair programming sessions and code reviews to optimize coding solutions.*
- *Collaborated on a group project utilizing Pandas and Tableau for data analysis.*
- *Designed comprehensive test suites using JUnit, Mockito, and Wiremock for a Spring Boot app.*
- *Integrated code into an existing repository to handle REST API methods, ensuring robust functionality and optimal performance.*

TheIncLab   Tampa, Fl
Software Development Intern: June-August 2022
- *Developed front end applications using modern frameworks (such as React)*
- *Implemented an interface for keeping track of the battery and proximity signal of a drone*
- *Participated in pair programming sessions to optimize coding solutions*
- *Helped with the implementation of software that allowed a microcontroller to manage the speed of a motor via WIFI using WebSocket*

University of South Florida   Tampa, Fl
Supervised Research: August 2022-Present
- *Assisted in active research on the effects of gamifying learning experience for engineering*
- *Developed a WebGl prototype game in Unity to pose engineering challenges*
- *Integrated game-based graded assignments to Canvas using CanvasLMS APIs and LTI 1.3 protocol*
- *Developed an ExpressJs server for hosting the system*

University of South Florida   Tampa, Fl
Teacher Assistant for Data Structures and Algorithms: August 2022-Present
- *Mentored students through Data Structures projects and challenges*
- *Assisted students in understanding time complexity and asymptotic analysis*
- *Assessed the ability and comprehension of students about Data Structures/Algorithms*

SOME PERSONAL PROJECTS

Route Planning App
- Developed an algorithm for optimal route planning using DBSCAN, Nearest Neighbor, and 2-opt
- *Key Technologies used:* Swift | Python

Document extraction project
- Personal project that required an OCR system and data processing to extract information from images
- *Key Technologies used:* Python | Pytesseract

SKILLS

Technical: C, C++, Javascript, HTML & CSS, Python, Java, Spring Boot, NodeJs, ReactJs, Git, Agile/Scrum