GUSTAVO GAMBOA

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SOFTWARE ENGINEER

Leveraging a continuously expanding knowledge of software development in support of business operations

Bilingual professional with a strong self-taught experience in software engineering. A recent computer science graduate with a proven track record of completing production-level projects while at University, with a particular focus on CI/CD, AWS, C++, PHP, Java, and C. Strong problem-solving and analytical skills, a passion for staying up-to-date with the latest technologies with an emphasis on scalable and high-performance solutions. **Developed a queue management system for the University of Miami IT Department,** which helped streamline the waiting process for students needing technical assistance. A member of the Society of Hispanic Professional Engineers.

EDUCATION

UNIVERSITY OF MIAMI, Coral Gables, FL

Bachelor of Science – Computer Science

PROJECTS SNAPSHOT

Soundsthetic Generator – Front-end application developed using **SvelteJS framework**. The app calls Spotify REST API to authenticate and retrieve user data. Utilized **Vercel** and **GitHub** for Continuous Integration/Development

Queue Management System – Queue management system for University of Miami students. Developed with **Flask, Python, and MySQL. HTML, CSS, and JavaScript.** Re-engineered for production-level deployment using **PHP.**

2D Platformer– Android/WebGL game developed using **C#** with the Unity game engine.

Hanoi Tower Algorithm – User Interface for playing Hanoi towers game with Java **JOptionPane** library**.**

TECHNICAL EXPERTISE

Java | PHP | JavaScript | Python | C | C++ | Unix Based Systems | Flask | HTML | CSS | JavaScript | Continuous Integration/Development | MySQL | Ladder

PROFESSIONAL EXPERIENCE

GPM Industrial, Doral, FL   2022
Software Developer Intern

- Recruited for internship with industrial automation company to get hands on experience with Programmable Logic Controllers (PLC) building industrial grade automation plants using Studio 5000 software provided by Rockwell Automation
- Attended 5-day Rockwell Automation training for PLC programmers in Ladder logic, networking, security, IoT and others

LP REALTY GROUP, Coral Gables, FL   2019 – 2021
IT Intern

- Recruited to oversee system administration for this real estate brokerage firm while handling technical support deliverables that included email management for realtors and troubleshooting system issues
- **Drove significant business improvements** through the development of the business's landing page with HTML, CSS, and JavaScript while implementing contact forms with PHP and MySQL

UNIVERSITY OF MIAMI, Coral Gables, FL   2018 – 2019
Student Developer (2019)

- **Handpicked into this new role by the Head of IT** due to the remarkable initiative displayed within the previous position. Demonstrated a strong ability to deliver results with little supervision while collaborating on complex tasks
- Rewrote a self-developed queue management system in PHP to meet the production standards of the University, successfully porting the application from a Python back-end to internal libraries and integrating it with MySQL

Student Technology Help Desk (2018 – 2019)

- Solved a significant student appointment issue faced by the IT department through the development of a queue management system with Flask, MySQL, HTML, CSS, and JavaScript

- Engineered a simple Android application with a WebView component for displaying the queue while implementing a feature that allowed users to remove the next member in the queue

MEMBERSHIP

Society of Hispanic Professional Engineers