Alejandro Mateus

alejandro.mateus@ufl.edu | (954)-945-0345 | https://alejandromateus.com | https://www.linkedin.com/in/alejandromateus/ | https://github.com/ale-mateus

EDUCATION

University of Florida – Gainesville, FL   *Expected May 2027*
    Herbert Wertheim College of Engineering – Bachelor of Science in Computer Science
    GPA: 3.58/4.00
    Concentrations: Major in Computer Science
                 Artificial Intelligence Certificate in AI Fundamentals & Applications
    Relevant Coursework:
            Data Structures & Algorithms; Operating Systems; Introduction to Software Engineering

TECHNICAL SKILLS

Proficient: C++, Python, Java, HTML, JavaScript, CSS, React, Node JS, Express
Intermediate: MatLab, SFML, Git, Flask, Django

PROJECTS

Convo-Coach – (Python (Flask), JavaScript, HTML, CSS, React, Google Gemini AI API, Tkinter, REST API)
Web Application for AI-Powered Interview Feedback

- Developed a web app that evaluates **Audio** recordings using AI to provide interview feedback based on predefined criteria.
- Integrated **Google Gemini AI** to process and score behavioral, technical, and elevator pitch interviews.
- Designed and Implemented a **Python Flask** backend to handle MP3 file uploads, triggering AI evaluation
- Spearheaded the connection of the front and backend with **JavaScript** and **Flask** to display feedback to the user.
- Optimized feedback display using **Tkinter** for local pop-ups and notifications.

Personal Portfolio Website – *(HTML, JavaScript, & CSS)*
Responsive Web Design for Showcasing Skills and Projects

- Developed a fully functional portfolio website to effectively showcase my skills and projects.
- **Responsive Design:** Implemented a mobile-first approach, ensuring seamless viewing on various screen sizes.

Song Finder – *(Spotify API & C+)*
Music Recommendation Program Using Spotify API and Algorithm Optimization

- **Team Leadership:** Led a team of 3 in developing a program that leverages the Spotify API to recommend songs based on user input of previously liked songs.
- **Algorithm Comparison:** Implemented both Quick Sort and Heap Sort to determine the most efficient search algorithm.

LEADERSHIP EXPERIENCE

Society of Hispanic Professional Engineers, UF Chapter – Technology Cabinet UX/UI Director   *September 2024 – Present*

- Redesigned and programmed the shpeuf.com website leading to a 20% increase in traffic.
- Designing a website prototype using Figma for the 2025 Code for Change Hackathon that deployed with more than 100 users. https://code-4-change.com/

Suits4Swimmers – Founder   *November 2022 – Present*

- Established a non-profit organization aimed at providing swimming equipment to swimmers in Colombia through donations.
- Collaborated with 3 club teams to gather and distribute over 200 pieces of equipment.

SKILLS/INTERESTS

- Proficient in **Microsoft Office Suite**: Word, PowerPoint, Excel
- **Languages**: English (Native), Spanish (Native)
- **Technical Interests**: Artificial Intelligence, Web Development, Open-Source Contributions