

Sebastian Gonzalez

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Education

Florida International University
B.S. Computer Engineering | GPA: 3.8/4.0

Miami, FL
2025

Relevant Projects

Portfolio Website

sebastianlgonzalez.github.io

- Successfully developed a professional portfolio website using Next.js, CSS, and JSX.
- Used Next.js's dynamic routing and URL masking to craft a user-centric experience characterized by seamless navigation.

A.I. Voice Assistant in Raspberry Pi

<https://github.com/sebastianlgonzalez/A.I.-Voice-Assistant>

- Created a always-online A.I. powered voice assistant on the Raspberry Pi Model 4 using Python, and libraries such as speech recognition and pyttsx3.
- Effectively established communication with Microsoft servers through the utilization of websockets and HTML requests, facilitating the exchange of data related to BingChat conversations.
- Designed an event loop incorporating error-handling interrupts that autonomously resets itself when errors occur, ensuring fault-tolerant operation.
- The software manages microphone input and LED feedback, allowing users to interact with the Bing Chat bot using voice commands and providing visual status feedback.

Certifications

AI-900: Microsoft Azure AI Fundamentals

Languages

Java, Python, C++, JavaScript, HTML, CSS, LaTeX

Frameworks and Libraries

SciKit, NumPy, matplotlib, Node.js, Next.js

Other

Microsoft Word, Microsoft PowerPoint, SolidWorks