Luis Saravia

954-873-8337 | saravia2019@hotmail.com | [LinkedIn](https://www.linkedin.com/in/luisfsaravia/) |

EDUCATION

Bachelor of Science, Information Systems Technology – Software Engineering Jan 2023- Dec 2025

Miami Dade College Miami, Florida

WORK EXPERIENCE

Software Development Intern May 2025 – August 2025

Illinois Tool Works - Alpine Ft. Lauderdale, Florida (Remote/Hybrid)

* **Built** an **AI-powered** chatbot using **Azure AI Foundry** and **GPT-4o-mini**, enabling semantic search across 1000+ pages of IntelliVIEW engineering software documentation
* **Implemented** multimodal **RAG (Retrieval-Augmented Generation)** using **Azure AI Search** for both text and image-based queries
* **Developed** Backend in **ASP.NET Core** (C#) with **Swagger**, **API versioning**, and **Azure AD B2C** authentication
* **Integrated** chatbot UI features into Angular frontend using **Tailwind CSS** and **Nebular UI**, enhancing usability and design consistency
* **Developed** Chatbot feedback system using **SQL Server Management System (SSMS)**, receiving user feedback relating to chatbot responses for continuous chatbot improvement.

Shift Lead April 2022– May 2025

Lokal Miami, FL

* **Supervised** high-volume kitchen operations, ensuring consistency and quality under fast-paced conditions
* **Trained** and **mentored** new staff, building team cohesion and improving efficiency during peak hours
* **Adapted** quickly to supply shortages and operational challenges, maintaining service flow and customer satisfaction
* **Strengthened** **leadership**, **communication**, and **problem-solving skills** in a high-pressure, team-driven environment

PROJECTS

EchoPath | Swift, SwiftUI, Xcode, visionOS,

* **Engineered** an immersive **Apple Vision Pro** application to support children with communication challenges in sentence construction
* **Implemented** drag-and-drop gameplay using a custom **SwiftUI** engine, allowing users to build sentences from puzzle-style word tiles
* **Leveraged** visionOS immersive space features to improve focus and engagement for neurodiverse learners.

Miami APA “ChalkBot” — Division-Aware Rules Assistant| ASP.NET Core, React, OpenAI

* **Developed** a chatbot on the **OpenAI Platform** using **retrieval-augmented generation (RAG)**, grounded in documentation, to deliver fast, accurate rule answers.
* **Engineered** a chat UI that posts to the API and **rendered** answers as safe Markdown (GFM + sanitize).
* **Orchestrated** backend operations to ensure consistent answers, consolidated responses, clear error handling, documented APIs, and secure configuration.
* **Authored** assistant instructions to enforce scope (Miami APA rules only), require compact Markdown with section-level citations, handle ambiguities with one clarifying question, and refuse out-of-scope requests.

TECHNICAL SKILLS

**Languages** |Python, JavaScript, Java, TypeScript, C++, C#, SQL, Swift, HTML/CSS

**Frameworks** | React.js, Angular, Express.js, Node.js

**Libraries** | Tailwind CSS, Nebular UI, ASP.NET Core, Swashbuckle (Swagger)

**Developer Tools** | Git, GitHub, Visual Studio, VS Code, JetBrains, JIRA, Confluence, Azure Platform