

Alberto S. Hernandez

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EDUCATION

Bachelor's in Computer Science

Florida International University

Expected: Dec. 2025

Miami, FL

EXPERIENCE

Software Engineering Intern

UKG

Sep. 2024 – Dec. 2024

Weston, FL

- Collaborated with the finance software development IT team, utilizing C#, ASP.NET MVC, and internal APIs to enhance our Microsoft Dynamics 365 environment. Designed a solution for efficient customer data management in SQL and developed an in-house tool to streamline workflows and improve internal operational efficiency.
- Operated under an Agile development framework, using DevOps practices for work tracking and deployment efficiency. Creating Technical Design Documents (TDDs) to outline the architecture of the system, improve collaboration, and ensure scalable software solutions.
- Utilized Microsoft Power Platform to rapidly develop custom applications, automate machine instructions, and integrate AI solutions using Copilot, enhancing efficiency and streamlining workflows.

System/Network Analyst

Mercedes-Benz

Aug. 2023 – Sep. 2024

Coral Gables, FL

- Provided back-end support, managing Windows Servers and utilizing Office 365 Admin, Active Directory, Azure, and the Kaseya suite to ensure system security, user management, and infrastructure efficiency.

PROJECTS

Project Migraine | C#, Unity, Miro, .Net, Visual Studios, Git/Github, Azure

May 2022 – Present

- Directing a large development team in the creation of a large-scale, online 2D fighting game inspired by the game *Street Fighter* slated for commercial release. Managing game design, development workflows, and multiplayer integration while also ensuring a collaborative and efficient production pipeline.
- Implementing UI design, appropriate physics simulation, and animation systems with full-stack development using C#, the .Net framework, and Unity's API.
- Applying the Scrum management framework to maintain steady project progress, conducting biweekly retrospectives, troubleshooting, and optimizing workflows.

TLDR Chrome Extension | Javascript, Python, HTML, Node js, Git/Github, AI

Mar. 2025 – Mar. 2025

- Developed a Google Chrome extension that extracts and summarizes article content by using Cheerio.js for web scraping and Hugging Face's BART model for text summarization.
- Integrated the Flask, PyTorch, and the Transformers libraries to serve AI-generated summaries, enabling a seamless interaction between JavaScript and Python-based machine learning models.
- Optimized the front-end design with the lightweight Bulma CSS library and utilized Webpack with Node.js to streamline JavaScript logic, delivering lightweight and efficient software.

Financio | Javascript, React, MySql, Git/Github, DevOps, MS Copilot Studio, UI

Sep. 2024 – Sep. 2024

- Awarded 2nd place at the 2024 FIU ShellHacks Hackathon in Vanguard's category, Financio, a responsive web application leveraging Microsoft's Copilot AI to provide financial insights. Designed with full-stack development, ensuring mobile accessibility and a user-friendly UI for seamless financial query handling.
- Developed a dynamic web app using JavaScript and the React framework. Implemented an intuitive UI/UX design for an interactive financial literacy quiz. Engineered to assess user knowledge and provided personalized educational recommendations to enhance user engagement and learning outcomes.
- Engineered an AI-powered financial assistant using Microsoft Copilot Studio, integrating conditional logic, hard-coded interactions, and MySQL databases to create JSON-based query exports. Used public financial data sources and the Copilot database to provide data-driven financial insights.

TECHNICAL SKILLS

Languages: C/C++, C#, Java, Python, Javascript, SQL

Frameworks: .Net, ASP.Net MVC, React, Spring, Java FX

Developer Tools: Git/Github, Node js, VS Code, Visual Studio, DevOps, Azure, SharePoint, Microsoft SQL Server

Libraries: Pandas, NumPy, Matplotlib, PyTorch, Transformers, Flask, Cheerio, Unity

Core Competencies: Computer Science, Data Structures, Algorithms, Software Engineering, Fullstack Programming