

Raidel Almeida

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EDUCATION

Florida International University

Miami, FL

Bachelor of Science in Computer Science

Dec. 2026

Relevant Courses Programming I & II, Discrete Structures & Algorithms, Mobile-App Development, Software Engineering I, Human-Computer Interaction, Computer Architecture, Database Management, Systems Programming

TECHNICAL SKILLS

Languages: Swift, Typescript, Java, Python, C++, SQL, HTML/CSS

Technologies: React, Next.js, Tailwind, Node, WebGL, Zustand, Howler.js, Three.js, Git, neovim

LEADERSHIP EXPERIENCE

Explore Hardware Technical Lead

Jan. 2024 – Dec. 2024

INIT FIU Executive Board

Miami, FL

- Led 12+ technical workshops reaching 500+ students, including robotics, Arduino programming, and 3D modeling workshops with average of 30+ students
- Crafted detailed documentation and materials for workshops, enabling continued learning beyond sessions
- Established safety protocols and standards for hardware lab operations, ensuring compliance with guidelines
- Organized Florida's largest MLH hackathon, ShellHacks, attracting 1400+ participants and 30+ industry sponsors

INIT Build Intro Web Development Co-Lead

Sep. 2023 – Nov. 2023

INIT FIU

Miami, FL

- Led a team of **10+ members** to develop **Gadget Galaxy**, a tech product referral platform featuring interactive **3D product showcases** using **React**, **Three.js**, and **WebGL**
- Established **Agile development practices** and conducted bi-weekly code reviews, managing Git workflows and documentation for **4,000+ lines of code** across multiple features
- Architected responsive product catalog implementing **dynamic filtering**, **search functionality**, and **shopping cart system**, achieving **sub-second load times** through optimization
- Mentored team members in modern web development practices, including **React**, **Three.js**, and **Git**

PROJECTS

SoniDough | *Next.js 14, TypeScript, Supabase, Zustand, Tailwind*

Nov. 2023 – Jan. 2024

- Made a **full-stack music streaming platform** featuring **OAuth authentication**, liked songs library, and dynamic audio playback
- Constructed **client-side state management** with **Zustand** and **custom hooks**, enabling seamless playlist navigation and audio controls
- Integrated **Supabase** backend for user authentication, song metadata storage, and media file management.
- Crafted responsive UI using **Tailwind CSS** with **custom animations**, achieving mobile-first design.

Portfolio Website | *Next.js 14, TypeScript, MDX, Tailwind, Prisma*

Jan. 2024 – Feb. 2024

- Engineered a **dynamic portfolio and blog platform** using **Next.js 14** with server-side rendering and **TypeScript** for type safety
- Built **content management system** using **MDX** and **Contentlayer**, featuring syntax highlighting, automated table of contents, and responsive image optimization
- Added custom analytics system with **Prisma ORM** and **PostgreSQL** to track post engagement metrics.

Mimir | *Go, Next.js, React, TypeScript, Python, WeaviateDB*

Knighthacks 2024

- Won ServiceNow Challenge (**1st place** among 250+ hackers) by developing an AI-powered documentation platform that streamlines technical knowledge management
- Implemented a scalable backend in **Go** with **WeaviateDB** vector database, implementing **real-time clustering** for intelligent document categorization
- Architected responsive frontend using **Next.js** and **TypeScript**, featuring dynamic search, chat interface, and automated documentation suggestions
- Integrated **OpenAI's GPT-4** for intelligent ticket clustering and automated documentation generation