Raidel Almeida

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EDUCATION

Florida International University — Miami, FL
Bachelor of Science in Computer Science — *Dec. 2026*
Relevant Courses Discrete Structures & Algorithms, Mobile-App Development, Software Engineering I

TECHNICAL SKILLS

Languages: Swift, Typescript, Java, Python, C++, SQL (Postgres), HTML/CSS
Technologies: React, Next.js, Tailwind, Node, WebGL, Zustand, Howler.js, Three.js
Developer Tools: Git, Supabase, VS Code, Visual Studio, IntelliJ, Cloudinary(CDN), PlanetScale

EXPERIENCE

Explore Hardware Technical Lead — Jan. 2024 – Dec. 2024
INIT FIU Executive Board — *Miami, FL*
- Designed and led workshops to teach students **fundamental skills** in **microcontroller programming**, **CAD design**, **3D printing**, and **drone programming**
- Integrated **real-world projects**, building **automated score keeping systems** and **prototyping with 3D printers**, to enhance students' understanding of hardware concepts
- Organized one of the **largest MLH hackathons** in the US, collaborating with board members to **draw over 1300 attendees**

INIT Build Intro Web Development Co-Lead — Sep. 2023 – Nov. 2023
INIT FIU — *Miami, FL*
- Led a team of **over 10 members**, guiding them through the comprehensive process of **designing**, **creating**, and **deploying** a product referral site
- Orchestrated the management and organization of a Git repository, handling over **4,000 lines of code**, ensuring **version control** and **seamless collaboration**
- Imparted knowledge of key web development technologies to team members, including **React**, **HTML**, **CSS**, **Three.js**, and **Git**, fostering a well-rounded understanding of modern web development practices

PROJECTS

⌘ SoniDough | *Next.js, React, TypeScript, Supabase, Tailwind* — Nov. 2023 – Jan. 2024
- Designed a **music streaming web application** utilizing **React**, **TypeScript**, and **Next.js** for server-side rendering
- Managed **complex states**, including volume and song progression using **custom hooks** and **Zustand**
- Handled **file and image uploads** using **Supabase storage** for secure and efficient data management

⌘ Portfolio Website | *Next.js, MDX, Tailwind, TypeScript* — Jan. 2024 – Feb. 2024
- Engineered a **dynamic personal website** with a **responsive design** for showcasing project blogs
- Implemented media hosting through a **Content Delivery Network (CDN)** for efficient data delivery
- Integrated a **Prisma-based database** to monitor and record post views and likes

⌘ Gadget Galaxy | *React, Three.js, WebGL, Netlify* — Sep. 2023 – Nov. 2023
- Developed an **e-commerce application** using **React.js** with product listing, shopping cart, and **3D models**
- Added a **context-based state management system** using React's Context API
- Utilized **Vite** for an optimized and efficient development experience

⌘ mimir | *ServiceNow Challenge **1st place*** — Knighthacks 2024
- Developed a comprehensive platform built with **Go**, **Next.js**, **React**, **TypeScript**, **Python**, and **WeaviateDB**, that centralizes ServiceNow technical documentation, project updates, and resources
- Implemented a robust **machine learning recommendation engine** to provide **personalized, real-time suggestions** based on user roles and project needs, ensuring high accuracy and seamless integration with various tools
- Overcame challenges in **data integration** and **scalability** by ensuring data consistency across diverse sources and optimizing the platform for **minimal latency** and **high performance** as user and data volume increased