Alvin Cabe

alvinacabe@gmail.com | linkedin.com/in/alvin-cabe | github.com/Alrwx | 862-250-1402

EDUCATION

University of Florida, College of Engineering — Gainesville, FL

Bachelor of Science in Computer Science, Minor in Electrical Engineering — **GPA: 3.93** | May 2028

Relevant Courses: Operating Systems, MicroProcessors, Databases, Data Structures and Algorithms, Software Engineering, Digital Logic, AI Fundamentals

EXPERIENCE

Backend Lead — Dec 2025 — Present

Debate Central — *Gainesville, FL*

- Architected and implemented a scalable backend infrastructure using **Supabase** and **FastAPI** to support an AI-driven debate evaluation platform.
- Designed and managed relational database schemas in **PostgreSQL** with the implementation of **Row-Level Security (RLS)** to ensure secure data isolation and access control.
- Developed and deployed **RESTful API** endpoints to manage core platform features, including user profile creation, debate joining/leaving, real-time chat, and automated session updates.

Software Engineering Intern — Oct 2025 — Dec 2025

Prepify AI — *Gainesville, FL*

- Engineered an adaptive Practice Module interface with a **progressive learning architecture** that **dynamically unlocks units** and features a real-time quizzing to display AI-generated assessments from **an n8n pipeline.**
- Architected a state-driven frontend with **MongoDB persistence**, to synchronize user-AI dialogue history and automate the **conditional unlocking** of advanced modules.

PROJECTS

TL;DR | *Next.js, React, Supabase, Python* — Jan 2026

- Architected a **Supabase** backend with a global course search, enabling syllabus data persistence that allows users to instantly join existing classes and bypass redundant AI processing.
- Engineered a parsing pipeline using **Google Gemini 1.5 Flash** to extract grading policies and academic dates into structured JSON, automating dashboard population and **.ics calendar exports**.
- Developed a context-aware chatbot and real-time review board with a **weighted 'like' algorithm**, utilizing custom JSON caching to minimize LLM latency and API costs.

TaskMate | *Next.js, AWS (Amplify, S3, DynamoDB), JavaScript, React, TailwindCSS* — Sep 2025 — Dec 2025

- Lead backend developer for a secure, **real-time buddy-based task system** for college students with **.edu verification**, enabling task creation, completion verification via image/video, and user pairing.
- Designed scalable database schemas in **AWS DynamoDB** to manage user profiles, real-time messaging, and multi-media task verification (image/video) via **AWS S3.**
- Engineered core administrative infrastructure using **AWS Amplify**, including report handling, messaging, buddy request logic, as well as **role-based access** with admin dashboard controls, to ensure **security** and **scalability**.

EXTRACURRICULAR

Marketing Lead | *UF Association for Computing Machinery* — Aug 2024 - Present

- Design digital assets and manage social media campaigns for a **2,000+** member community, boosting attendance by **50%** and active participation among **700+** registered members through targeted marketing initiatives.

Software Engineering Track Fellow | *Management Leadership for Tomorrow (MLT)* — Nov 2025 - Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent.

APEX National Board Member | *National Society of Black Engineers (NSBE)* — Aug 2024 - Present

National Board Member | *ColorStack* — Aug 2024 - Present

SKILLS

Languages: Python, JavaScript, TypeScript, C++, SQL, Java HTML, CSS, VHDL, Assembly (RISC V, MIPS)

Frameworks: React, Next.js, Node.js, Express, Flask, Tailwind CSS, SFML

Tools and Technologies: Supabase, MongoDB, Git, GitHub, VS Code, MATLAB, AWS (Amplify, S3, DynamoDB), Jira, Linear, Agile/Scrum