

Zechariah Frierson

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EDUCATION

Georgia Institute of Technology

May 2028

Bachelor of Science in Computer Science, Minor in Korean, GPA: 3.85

Atlanta, GA

Relevant Courses: Artificial Intelligence, Combinatorics, Computer Organization and Programming, Data Structures & Algorithms, Linear Algebra, Multivariable Calculus, Object-Oriented Programming, Objects and Design

TECHNICAL SKILLS

Languages & Frameworks: C++, Java, JavaScript, Next.js, Python, React, SQL, TailwindCSS, TypeScript, Vite

Tools & Platforms: AWS, Figma, Git, MongoDB, Supabase, Vercel

AI Tools: Claude Code, CodeRabbit, Codex, GitHub Copilot, Herdr, MCP

EXPERIENCE

Software Engineering Intern

Jun 2026 – Aug 2026

Capital One

McLean, VA

- Built *Tech Support*, an AI-powered IT-support platform for Capital One's 80,000+ associates, targeting a 50% reduction in IT-support cycle time across all workflows.
- Developed the very first mobile AI solution at Capital One, integrating a new **LangGraph**-based multi-agent AI orchestration framework and collaborating across 5+ engineering teams throughout its production rollout.
- Owned end-to-end implementation of support workflows across **Next.js**, **React**, **TypeScript**, **Swift**, and AI backend services, shipping production code spanning web, native iOS, and LLM orchestration services.
- Earned **3rd place among 100+ interns** in Capital One's intern hackathon by building an AI data-loss prevention system spanning a Chrome extension, VS Code extension, CLI, and web dashboard.

Freelance Web Designer & Developer

Jan 2024 – May 2026

Various Clients

Remote

- Developed websites and software for local clients, generating over \$4,000 in freelance revenue since 2024.
- Designed an improved **Squarespace** site for a regional nonprofit, increasing site visits by 150% (cwjfon.org).
- Tailored a **WordPress** site for a lawyer with a focus on UX and simple client contact (askin4baskin.attorney).
- Launched a mobile-first **Framer** site for a local law office, boosting client inquiries by over 400% in three months.

Frontend Web Developer

Dec 2022 – Jun 2024

BracketCS

Remote

- Collaborated with a team of developers, using **Next.js** and **TailwindCSS** to design a professional and engaging website for BracketCS's CerealCodes coding competition (cerealcodes.org).
- Doubled participation to over 850 users by launching the website, with \$850 in prizes distributed via sponsorships.

PROJECTS & INVOLVEMENT

MusicBridge | *React Native, Expo, TypeScript, Supabase*

Jan 2025 – Present

- Built a cross-platform playlist translation and sharing app that maps tracks between Spotify, YouTube Music, and Apple Music, resolving inconsistent metadata across each platform's REST API.
- Implemented **OAuth** authentication flows across each service, backed by **Supabase** for auth and data persistence.
- Shipped a **TestFlight** beta to 20+ users, iterating on feedback to refine UX and prioritize MVP features.

SimpliEarn | *Next.js, React, Python, Chart.js*

Jan 2025 – May 2025

- Built interactive data visualizations for an AI-powered earnings call analysis platform, including a sentiment analysis graph and a 48-hour stock chart showing market reaction before and after each call (simpli-earn-2.vercel.app).
- Collaborated with sentiment analysis and RAG subteams to develop a full-stack **Next.js** dashboard integrating an AI summary engine and a **RAG**-based chatbot, enabling novice investors to quickly parse complex financial disclosures.

BDBI Website | *React, Next.js, TypeScript, Vercel*

Aug 2025 – Present

- Maintained and modernized the official Big Data Big Impact club website as Digital Resources Manager (gtbigdatabigimpact.com).
- Rebuilt site from **Angular** to **React** + **Next.js** and migrated to **Vercel**, improving speed and scalability.