

HAYDEN CARPENTER

Atlanta, GA | haydenc@gatech.edu | <https://github.com/xHayden> | <https://hayden.gg>

EDUCATION

Georgia Institute of Technology

August 2022 - December 2026

B.S. in Computer Science (Systems & Architecture, Cybersecurity & Privacy), Psychology Minor GPA: 3.57

Relevant Coursework: Intro to Object Oriented Programming, Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Intro to AI, Systems & Networks, Human Dimensions of Cybersecurity

EXPERIENCE

Bits of Good

January 2023 - Present

Engineering Manager

Atlanta, GA

- Leads a team of 6 experienced developers and works with other leadership to create a online video game library for our nonprofit partner with **Next.js**, **Cloudflare**, **BackBlaze**, **MongoDB**, and **React**.
- Developed a web application that allows contractors to easily manage and share building standards with their team with **React.js**, **Next.js**, and **TailwindCSS**.
- Worked with the Infrastructure team to standardize Bits of Good infrastructure/projects with **Docker** and **Netlify** to save time when projects are handed off to nonprofit partners and/or new development teams.
- Worked with Infrastructure to develop a CLI and Node modules for standardizing developer workflows with a microservice architecture built with **Nest.js** using **gRPC**.

MaxRewards

August 2023 - January 2024

Software Development Intern

Atlanta, GA

- Synced a CMS and **PostgreSQL** database with the primary **MongoDB** cluster, leading to a performance increase of 1000x for heavy queries/filters.
- Collaborated with design and leadership teams to conceptualize and launch the main marketing website for MaxRewards.com.
- Developed GPT-powered article generation framework with MaxRewards savings data for increased SEO presence.
- Engineered responsive and predictable front-end components leveraging **TypeScript**, **React.js**, and **TailwindCSS**.
- Enhanced performance and efficiency by optimizing static content delivery through **Next.js 13**.

Axio Global, Inc

April 2021 - April 2022

Software Engineering Intern

Decatur, GA

- Helped build the Axio 360 Cyber Risk Assessment application with the software development team at Axio Global.
- Created admin tools for user management using Axio software using **GraphQL** and **React.js**, saving admin users time and preventing mistakes with manual database queries.
- Increased efficiency by a factor of 20X of PDF generation for one of the assessment models.
- Mentored other interns in **MongoDB**, **GraphQL**, **React.js**, **TypeScript**, **Cypress**, and **Playwright**.

PROJECTS

Gearbox Scouting Platform

November 2019 - March 2022

Project Lead

Atlanta, GA

- Led a team of 5 developers and 20-30 scouting members to develop a scouting app using **JavaScript**, **Next.js**, **React.js**, **TailwindCSS**, **GraphQL**, **MongoDB**, and **Redis**.
- Managed servers on **Vultr** and **AWS**. Prototyped a **Django**-based platform, later replaced by a **Next.js** platform, reducing data loss and improving user experience.

SKILLS

Languages: JavaScript, TypeScript, Python, C, Java, HTML/CSS.

Tools/Environments: Windows, Linux, Git, AWS, Azure, Cloudflare, Docker, Android Studio, React.js, TailwindCSS, ChakraUI, Three.js, MongoDB, PostgreSQL, SQL, Redis, GraphQL, REST APIs, Node.js, Nest.js, gRPC.

Hobbies/Clubs: Bits of Good, Boxing Club, Fantasy Stork Club.