

HAYDEN CARPENTER

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EDUCATION

Georgia Institute of Technology

August 2022 - May 2026

B.S. in Computer Science (Intelligence, Media), Psychology Minor

GPA: 3.51

Relevant Coursework: Intro to Object Oriented Programming, Data Structures & Algorithms, Objects and Design, Computer Organization and Programming

EXPERIENCE

BitsOfGood

January 2023 - Present

Senior Developer

Atlanta, GA

- 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.
- Working 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

Stork.GT

July 2023 - Present

Website Lead

Atlanta, GA

- Developing a platform for Stork Race @ GT, a Fantasy Football-inspired Stork Migration League with an interactive map for stork tracking and a team management portal using **Next.js** and **MongoDB**.
- Created a public REST API for stork data to enable club members to develop models to predict migration patterns.

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, Redis, GraphQL, REST APIs, Node.js, Nest.js, gRPC.