# Zachary Allen

Front-End Developer

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# Education

**Bachelor of Science in Computational Media | 2018 – 2021 | Georgia Institute of Technology**

* Media & Interaction Design

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# Skills

**Programming Languages:** JavaScript, TypeScript, HTML/CSS, Java, Processing + p5.js

**Tools & Frameworks:** Git, Node.js, React, Next.js, Gatsby, Strapi CMS, Material UI, TailwindCSS,

Bootstrap, Github Copilot, Jira, GrowthBook, Netlify

**Database/Server-Side Technologies**: GraphQL, Firebase, MongoDB, Google Cloud Platform

**AI Tools:** Github Copilot, Cursor, Figma MCP Server

**Design:** Adobe Photoshop, Illustrator, Figma, Tableau

# Experience

**Rooms to Go | Frontend Developer | May 2022 - Present**

* Owning, documenting, and driving development of new features and components for roomstogo.com
* Defining schemas to query product data from Apollo GraphQL server.
* Building functional TypeScript components for the RTG Next.js microsites.
* Conducting technical interviews for prospective Front-End team hires.
* Translating Figma designs into high-quality, scalable code.
* Defining content types with Strapi and fetching data to render UI elements through the Strapi GraphQL API.
* Rewrote and upgraded the outdated Storybook UI component library for the RTG Design System, creating a demoable environment for RTG UI elements.
* Set up and configured a Figma MCP Server in Cursor for automatically generating design system components from Figma designs based on existing code patterns.
* Created detailed Cursor agent rules for the RTG frontend repositories.

**Incident IQ | Software Developer Intern | June 2021 – August 2021**

# Updated .NET unit testing suite for existing IIQ website code base; created new xUnit tests for IIQ's new

# permissions system.

# Added functionality for retrieving support ticket data from the IIQ testing website.

# Queried and modified data in IIQ test database with SQL Server Management Studio.

**Motus Nova | Web Developer Intern | May 2020 – August 2020**

* Created/redesigned several pages for the Motus Nova WordPress website, including the Home, About Us,

Products, Media, Telehealth, and Technology pages.

* Designed UI and improved functionality of the Wifi Manager Electron app component of the Motus Home Software.
* Reworked UI of landing page and redesigned graph elements of the Motus Reports app made with Chart.js.

# Projects

**DreamyBot | April 2024**

* Discord bot with multiple functionalities, including voice channel YouTube playback, TTS speech generation, ChatGPT text prompting, and image generation with DALL-E 3 and the FLUX.1 Stable Diffusion model.
* <https://github.com/ZacAllen/DreamyBot>

**Sveltedex | March 2022**

* A Pokemon encyclopedia modeled after the in-game Pokedex tool; created with Svelte as frontend framework and hosted with Firebase. <https://sveltedex.web.app> | <https://github.com/ZacAllen/sveltedex-app>