ANDREW MCCAULEY

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Education

Stevens Institute of Technology   **Aug. 2020 – May 2024**
Bachelor of Science in Computer Science   *Hoboken, New Jersey*

Relevant Coursework

- Data Structures
- Software Development Process
- Algorithms
- Database Management Systems
- Artificial Intelligence
- Enterprise and Cloud Computing
- Systems Programming
- Object-Oriented Analysis and Design

Experience

DataAnnotation   **January 2025**
Freelance Software Developer   *Remote*

- Assist in refining **AI** and **Machine Learning** models through quality assurance and iterative testing.
- Thoroughly analyze project instructions to ensure precise execution of tasks.
- Consistently deliver **well-structured**, **high-quality responses** ahead of deadlines.

Projects

Personal Website | *Next.js, Tailwind CSS, Sanity CMS, UI/UX Design, Web Development, Full Stack*   **Ongoing**

- Built a **portfolio website** featuring a **project showcase** and **blog** powered by **Sanity CMS**.
- Designed custom **data structures** for **text, images, and selection options**, managing content via Sanity's studio mode.

Roblify | *Golang, Lua, SQLite, REST APIs, Backend*   **March 2025 – Present**

- Developed a **Roblox-Spotify** integration allowing players to view and control their Spotify playback within a game.
- Built a **Golang backend API** to handle user authentication, session management, and secure Spotify API requests.
- Implemented **session-based authentication** to prevent unauthorized access and **text filtering** for safety compliance.

Wang Wang | *Node.js, HTML, CSS, Figma, UI/UX Design, Web Development, Full Stack*   **September 2023 – May 2024**

- Developed a **mobile application** and the **front end** and **back end** of a **website** that enables users to locate highly rated doctors and clinics, book appointments, and purchase cosmetic products.
- Maintained continuous **communication** with the client to integrate **feedback** and make improvements.

Stevens 2024 Graduation Website | *Next.js, MongoDB Atlas, UI/UX Design, Full Stack*   **January 2024 – May 2024**

- Developed a graduation ceremony message board where users could leave personal messages.
- Utilized **localStorage** to limit users to one message per device.

DuckDash | *Node.js, MongoDB, jQuery, HTML, CSS, Full Stack*   **September 2023 – December 2023**

- Designed and implemented a typing test **web application** where users type words within a given time limit to receive a score.
- Ensured the website met all assignment requirements while optimizing for performance and usability.

IoT: Hug the Lanes | *Java, Agile Development, Backend*   **January 2022 – May 2022**

- Developed a self-driving car prototype featuring cruise control, automatic braking, and lane-following capabilities.
- Utilized **Agile methodology** to iteratively develop and test core features.

Technical Skills

Languages: Java, C, C++, C#, Python, JavaScript, TypeScript, Lua, HTML, CSS, SQL, PostgreSQL, MySQL, MongoDB
Developer Tools: Git, GitHub, Docker, Postman, Sanity CMS, Firebase, MongoDB Atlas
Technologies/Frameworks: Linux, Node.js, React, Next.js, Tailwind CSS, PostgreSQL, MongoDB, RESTful APIs