

MASON CHAN

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SUMMARY

Detail-oriented software engineer with a lifelong passion for design and development. My diverse background in art, architecture, and mechanical engineering has ignited my journey toward a career in software engineering. Specializing in web application development and the JavaScript ecosystem, I'm dedicated to applying my skills and creativity to create innovative technological solutions that enhance the user experience.

TECHNICAL SKILLS

Languages: HTML5, CSS3, JavaScript, TypeScript, SQL (Postgres), GraphQL

Frameworks & Libraries: React, Next.js, Tailwind, Bootstrap, Node.js, Mocha, Redux, Framer Motion

Tools & Platforms: Git, Github, Vercel, Supabase (Firebase alternative), MATLAB

PROJECTS

Thockit - Full-Stack Web Forum

github.com/mason-chan/thockit

- Leveraged **TypeScript** and combined **Next.js** server-side rendering with **Tailwind**, resulting in a fast and responsive frontend that outperformed traditional React applications by over 500%
- Implemented **NextAUTH** in conjunction with the Reddit API to enable secure user authentication, allowing users to log in using their live Reddit accounts
- Built a **GraphQL** layer using StepZen for efficient data integration and management, connecting to a **PostgreSQL** database hosted on Supabase for data reliability and scalability

Minitype - Typing Test Website

github.com/mason-chan/minitype

- Utilized **Tailwind** to create a streamlined and responsive UI design while employing **React** state and effect hooks typed in **TypeScript** to empower users to customize color schemes, fonts, and test settings
- Devised and implemented custom game logic to randomize a list of 100+ words and generated comprehensive statistics at the end of each test

EXPERIENCE

Volunteer Technical Mentor

August 2022 - November 2022

ChooseU

New York, NY

- Produced a comprehensive study guide for the W3Schools JavaScript Certificate exam, resulting in a 100% passing rate among cohort members (github.com/mason-chan/w3schools-study-guide)
- Led teams of aspiring developers in coding projects to build web applications and clarified the logic behind code behavior, fostering improved logical thinking and programming principles among peers
- Conducted daily tutoring sessions for peers, facilitating substantial progress in fundamental coding skills

Information Technology Support - Contract

May 2021 - July 2021

LG CNS America Inc. (via JLM Systems Inc.)

Englewood Cliffs, NJ

- Efficiently managed the processing of 300+ customer online claims for time-sensitive promotions with minimal supervision, contributing towards a 20% increase in annual revenue for the fiscal year
- Coordinated with stakeholders to successfully resolve customer logistics issues, achieving an outstanding resolution rate of over 75%
- Collaborated with cross-functional teams to proactively update internal data during major overhauls, resulting in a 20% boost in team productivity and operational efficiency
- Delivered exceptional end-user support by maintaining consistent and effective communication, leading to an impressive 95% customer satisfaction rate

EDUCATION

ChooseU

New York, NY

Concentration: Front-end Web Development | **Certification:** W3Schools JavaScript Certificate

November 2022

New York City College of Technology

New York, NY

Major: BTECH Mechanical Engineering Technology | **Concentration:** Industrial Design | **GPA:** 3.3

June 2021

Programming Coursework: Comp. Apps in Mech Eng, Computer Programming & Apps

Awards: Dean's Honors, Cum Laude