Michael L. Green

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Education

Central Michigan University, Mount Pleasant MI — Graduation: August 2023
Bachelor's of Science in Computer Science
Minor: Mathematics

Springboard Cybersecurity Career Track — Completion: June 2025
• Developed an adversarial mindset by learning to identify common web application vulnerabilities (OWASP Top 10) and implementing secure coding practices to prevent them.
• Gained hands-on experience in vulnerability assessment and threat modeling through 50+ technical labs, providing critical context for building secure back-end services and defending against common attack vectors.
• Completed an intensive, project-based curriculum focused on defensive security principles, application security, secure coding practices, and cloud security fundamentals.

Relevant Experience

Software Developer Intern — January 2022 - August 2022
24G, Troy MI
• Served as the primary frontend developer for multiple client projects, rigorously translating UI/UX mockups into fully functional, pixel-perfect Vue.js interfaces.
• Independently executed the frontend logic for smaller-scale applications, delivering interactive and bug-free components ready for integration.
• Collaborated with backend teams to consume RESTful APIs, ensuring accurate data rendering and seamless user interactions.
• Implemented complex UI animations and micro-interactions for convention applications, directly translating client requests into working code.

Projects

Tally - Demo Video | Client Repository | Server Repository — January 2025 - Present
Technologies Used - Vue, Typescript, Ionic, Capacitor, Node, Express, Socket.IO, Prisma, Cypress, Vitest

• Architected an offline-first cross-platform mobile application featuring optimistic UI updates, a persistent sync queue with idempotency, and automatic retry with error classification.
• Implemented access/refresh token authentication with rotation, supporting dual delivery (HttpOnly cookies for web, secure storage for native) and transparent token refresh with concurrent request deduplication.
• Built real-time shared counter collaboration using Socket.IO with server-controlled participant broadcasting, Prisma ORM with PostgreSQL, and Zod schema validation shared across client and server via automated type sync.

Reaction - Live Site | Demo Video | Client Repository | Server Repository — September 2025 - December 2025
Technologies Used - Vue, Sass, Pinia, GSAP, Node, Express, Sequelize, PostgreSQL

• Architected a reactive Vue 3 frontend utilizing Pinia for modular state management and GSAP for high-fidelity timeline animations, significantly enhancing user experience through intuitive visual feedback.
• Developed backend services adhering to the Repository Pattern, creating a clean separation of concerns and improving maintainability.
• Engineered a defense-in-depth security strategy, utilizing HTTP-only cookies for XSS-proof JWT storage and implementing rate-limiting middleware to mitigate brute-force attacks.

Technical Skills

Languages - Typescript, JavaScript (ES6+), SQL, Python, Java, C/C++, HTML/CSS, Sass

Frameworks & Libraries - Node, Vue, Nuxt, Ionic, Capacitor, React, Express, Socket.IO, GSAP, Cypress, Vitest

Tools & Databases - Git, Bash, REST APIs, JWT, PostgreSQL, MySQL, Prisma, Sequelize, Zod

Infrastructure - Docker, Render, Github Pages, Github Actions, Vercel