

# William Marchant

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## Professional Summary:

Frontend-focused Software Engineer with full-stack experience, collaborating with clients and content authors to build scalable, user-friendly applications. Skilled at translating feedback into functional features and continuously expanding technical expertise.

## Work Experience:

### **Junior Software Engineer** | Mean Guppy — Buffalo, NY

June 2024-Current

- Build reusable React packages with TypeScript and SASS modules for a Fortune 500 company, supporting scalable frontend development.
- Write unit and component tests using Vitest and React Testing Library across multiple packages.
- Contribute to the redevelopment of a Fortune 500 company's website; collaborate on building a Payload CMS solution that streamlines content author workflows.

### **Technology Intern** | M&T Bank — Buffalo, NY

June 2023-August 2023

- Developed a web application that connects women of color in the Buffalo area with financial advisors.
- Leveraged TypeScript, React, HTML, and CSS to build the web app, added Cypress test coverage, and enforced quality gates through a YAML-based CI pipeline.
- Participated in a research study comparing AI-generated code and human development; maintained weekly progress logs.

### **Cashier/Sales Associate** | Stewart's Shops— Ballston Lake, NY

June 2021-August 2022

- Worked on a team to prepare food, restock inventory, operate register, and maintain store cleanliness.

## Education:

### **University at Buffalo** | Bachelor of Science: Computer Science — Buffalo, NY

August 2020-May 2024

- **GPA:** 3.4
- Scholarships: Pride of New York Scholarship Recipient, Athletic Scholarship for Cross Country/Track
- Member of the NCAA D1 Cross Country, Indoor Track, and Outdoor Track teams.
- Relevant Courses: Systems Programming, Applied Human Computer-Interaction and Interface Design, Distributed Systems, Algorithms and Complexity, Data Models and Query Languages, Intro to Machine Learning
- Dean's List 2020, MAC All-Academic Team: 2021-23 Cross Country, 2022-24 Indoor Track, and 2023-24 Outdoor Track

### **Burnt Hills-Ballston Lake High School** | High School Diploma — Burnt Hills, NY

September 2016 - June 2020

## Skills & Abilities

### **Programming Languages:** Java, JavaScript, Python, Scala, TypeScript, SQL, Go

### **Computer Skills:** Bash Shell Script, Linux, Docker, IntelliJ, GitHub, GitLab, React, Cypress, Vitest, CSS, SCSS, Postman, HTML, Jira, Figma, Asana, CMS, Storybook, YAML

## Projects:

### **Personal Website** — <https://wmerchant13.github.io/personal-website/>

Dec 2025 - Jan 2026

- Built and deployed a personal portfolio website using React, Next.js, Bun, TypeScript, SCSS, and HTML.
- Designed responsive, performance-optimized UI with modern component architecture.
- Implemented CI pipeline for automated semantic versioned releases and changelog updates.
- Leveraged AI tools such as Cursor and GitHub Copilot to accelerate development.

### **Database Project**

Spring 2024

- Designed and implemented a SQL database using PostgreSQL with publicly available datasets.
- Developed a database schema to solve a defined problem and wrote queries to manipulate and analyze the data.
- Delivered and presented formal findings to demonstrate project outcomes.

### **Group Web App Project**

Spring 2022

- Developed a full-stack web application with secure login, live chat, media sharing, and full user customization.
- Managed team workflow via GitHub and leveraged Python Flask, HTML, CSS, WebSockets, MongoDB Atlas, and Docker.