

# William Marchant

Buffalo, NY 14209 | 518-813-7261 | [wmarchant13@gmail.com](mailto:wmarchant13@gmail.com)

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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.
- Part of a research experiment comparing AI-generated code to human developers, kept a weekly log to track progress and differences between the two.

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

**June 2021-August 2022**

- Worked as part of a team to prepare food, stock shelves, organize coolers and freezers, operate the cash register, serve ice cream, and ensure 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, 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:

### **Database Project**

- 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.

### **UB Roomies**

- Built a roommate-finder web app for UB students using TypeScript, JavaScript, React, HTML, and CSS.
- Implemented features for friending, messaging, posting, and apartment listings.

### **Group Web App Project**

- 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.