

# Justin Manion

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Seeking Full-Time Software Engineering Opportunities Starting in June 2026

## EDUCATION AND HONORS

### Rensselaer Polytechnic Institute

*Bachelor of Science in Computer Science*

Troy, NY

Expected May 2026

GPA: 3.27 / 4.0

**Dean's Honor List:** Spring 2025, Fall 2025

**Extracurricular Activities:** Lambda Chi Alpha (Secretary, Webmaster, Director of Recruitment Logistics)

### Hudson Valley Community College

*Associate of Science in Computer Information Systems*

Troy, NY

May 2024

GPA: 3.94 / 4.0

**President's List:** Fall 2022, Spring 2023, Spring 2024

## SKILLS

**Languages:** C++, Java, Python, Go, PHP, SQL, JavaScript, TypeScript, Twig, HTML, CSS

**Frameworks & Tools:** React, Vue, Vite, Tailwind CSS, Bootstrap, Cypress, Docker, PostgreSQL, Redis, Nginx

**Programs & Applications:** VS Code, Git, GitHub, Vagrant, VirtualBox, DigitalOcean, AWS, Linux Terminal (Bash)

## PROFESSIONAL EXPERIENCE

### Submiity (Rensselaer Center for Open Source)

Troy, NY

Team Lead

September 2025 - Present

- Mentors new contributors in a collaborative setting, guiding onboarding while coordinating progress and design discussions.

### Open Source Contributor

January 2025 - Present (Full-Time Summer 2025)

- Migrated the notifications UI from server-rendered Twig to Vue, enabling reactive state management and reload-free updates.
- Introduced a unified notifications feed to the home page that aggregates user notifications across multiple course databases.
- Developed an interactive text editor using PHP, Twig, and JavaScript that enables instructors to modify their configurations directly on the site, eliminating the need to re-upload files for every change.

### Stewart's Shops

Saratoga, NY

IT Technician Intern

May 2024 - August 2024

- Delivered on-site and remote technical support by troubleshooting and repairing register, ATM, and networking equipment.
- Collaborated with other technicians to prepare 10% of all shops for a transition to a new POS register system.

### Price Chopper Supermarket

Mechanicville, NY

Shift Supervisor

June 2020 - October 2024

- Supervised front-end operations, managing customer service, employee scheduling and training, and operations management.

## PROJECTS

### Encrypted Chatroom

[GitHub: secure-chat-app](#)

- Created a client-server chat application using C++ and the Qt GUI framework with real-time updates via C sockets.
- Enabled concurrent client connections by implementing a multithreaded server architecture using POSIX threads.

### Speed Roulette

[speedroulette.io](https://speedroulette.io) | [GitHub: speed roulette](#)

- Designed a dynamic front-end using React and TypeScript to support fast-paced gameplay and an engaging user experience.
- Abstracted core game logic and PostgreSQL operations into a Go backend with Redis-backed middleware authentication.
- Implemented an extensive CI/CD pipeline with linters, formatters, Cypress E2E tests, and unit tests.

### RPI Principles of Software Course Website Revamp

- Overhauled the site's user interface to improve usability, layout consistency, and responsiveness for 200+ students each term.
- Streamlined maintainer processes by establishing a Git-based workflow and creating a reusable template of the user interface.

### Portfolio Website

[justinmanion.com](http://justinmanion.com) | [GitHub: portfolio-site](#)

- Built a responsive front-end featuring a dark mode toggle and interactive components using React, TypeScript, and Vite.