

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

GPA: 3.27 / 4.0

Dean's Honor List: Spring 2025, Fall 2025

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

Troy, NY

Expected May 2026

Hudson Valley Community College

Associate of Science in Computer Information Systems

GPA: 3.94 / 4.0

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

Troy, NY

May 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

Submitty (Rensselaer Center for Open Source)

Team Lead

Troy, NY

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 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

IT Technician Intern

Saratoga, NY

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

Shift Supervisor

Mechanicville, NY

June 2020 - October 2024

- Supervised the Front End department, overseeing customer service, employee scheduling and training, task delegation, facility maintenance, and financial reconciliation.

PROJECTS

CChat

cchat.fun | **GitHub:** [cchat](#)

- Created a C++ server using POSIX threads and TCP sockets to support real-time updates and concurrent client connections.
- Built a native GUI client (Qt) and a web client (React/TypeScript) that interact with the server through a shared protocol, enabling cross-platform communication.

Speed Roulette

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.
- Containerized the app into four Docker images, improving developer experience and easing deployment to DigitalOcean.

RPI Principles of Software Course Website Redesign

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