

Emmanuel Usman

Yonkers, NY | (929)-434-8166 | Usmane@rpi.edu | LinkedIn: [linkedin.com/in/emmanuelusman2004/](https://www.linkedin.com/in/emmanuelusman2004/) | English & Spanish

EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy, NY

May 2026

Bachelor of Science in Computer Science and Information Technology & Web Sciences

Minor in Economics

- **Relevant Courses:** Algorithms, Principles of Software, Data Structures, Computer Organization, Intro to IT & Web Science
- **NYJTL & David Gavrin Family Foundation:** *Scholarship Award*

SKILLS

Programming Languages: C++, C, Java, JavaScript, Python, MIPS Assembly

Web Development: HTML, CSS, jQuery, PHP, MySQL, phpMyAdmin, React.js, Next.js

Operating Systems: Ubuntu Linux, Windows OS

Scripting and Development Tools: Bash, IntelliJ, Visual Studio Code, Spyder, Valgrind, GitHub, Chrome DevTools, JUnit

Cloud Platforms: Microsoft Azure

EXPERIENCE

Rensselaer Center for Open Source (RCOS)

Jan. 2023 - Current

- Enhanced the SOHR (Search for Office Hours) project, using HTML, PHP, CSS, JavaScript, React.js, MySQL, and Next.js
- Created reusable components with React for improved interactivity and utilized Next.js for faster loading times.
- Implemented NextAuth.js for user authentication with a GitHub OAuth provider or credentials login.
- Adhered to an agile workflow with bi-weekly team meetings for collaboration and progress tracking, coupled with weekly repository commits, ensuring an efficient development process.
- Attended a React Workshop, a Quantum Computing workshop, and an API Development Workshop

Movies, Books, and TV Shows (School Project)

Dec. 2023

- Developed a user-friendly platform using HTML, CSS, and JavaScript for front-end design and event handling to display different movies and other user information in an organized manner.
- Employed PHP for secure session data retrieval and seamless access to user details in MySQL.
- Applied an agile development workflow using a Kanban board and GitHub for efficient project mapping and collaborative development with my team members.
- Implemented user profiles with login functionality, allowing users to save and access their information, thus enhancing personalization and engagement.

MLH Hackathon

Nov. 2023

- Developed SOHR to centralize RPI office hours, using HTML, JavaScript, CSS, and PHP for database integration.
- Developed SpaceDebris, a game to raise awareness of the dangers of space debris. Employed Unity for game development and utilized HTML and CSS for website creation (Nov. 2022).

Project Portfolio

Nov. 2023

- Developed and deployed using JavaScript, HTML, CSS, and PHP, showcasing proficiency in front-end and server-side technologies and Hosted it on a Microsoft Azure VM.
- Implemented a Projects page displaying information from a SQL database, storing links to various class labs and projects.
- Designed a specific Information Architecture to organize directories, enhancing the clarity and accessibility of content.
- Utilized the website primarily for showcasing semester-long work and demonstrating proficiency in different technologies.
- Enhanced user experience by allowing direct project access through clickable links, providing an organized and informative display of your work.

LEADERSHIP

Tau Kappa Epsilon Fraternity, Histor & Ex-Vice President

Jan. 2023 - Current

- Led 11 committees within the chapter (Recruitment, Philanthropy, Risk Management, Bylaws, etc).
- Successfully orchestrated philanthropic initiatives, raising \$1500 for charitable causes between since 09/23.
- Managing a \$2,000 fund to support key projects and initiatives, ensuring optimal allocation for the advancement of the fraternity's goals.
- Managed the fraternity's media assets, including photos, videos, and other historical documentation as well as a spreadsheet containing all alumni contact information.

Society of Hispanic Professional Engineers (SHPE), Member

Sept. 2023 - Current

- Engaged in career preparation workshops, honing interview skills, resume building, and networking within the tech and engineering community.