

Huy Chu

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Education

Rensselaer Polytechnic Institute

Troy, NY | 2020 - Dec 2024

Bachelor of Science in Computer Science - GPA: 3.97/4.00

- Dean's Honor List
- Upsilon Pi Epsilon (Computer Science Honor Society)

Work Experience

Rensselaer Polytechnic Institute - Learning Assistant

Aug 2021 - Present

- Serve as a leader/mentor for first-year students by assisting and advising students
- Work one-on-one with approximately 10 students weekly
- Host academic-related programs for groups of 20+ students throughout the semester

Rensselaer Polytechnic Institute - Computer Science Mentor

Aug 2021 - Dec 2022

- Hold weekly office hours for 50+ students for Computer Science I
- Proctor 3 exams a semester, assist TAs and course staff with grading exams

Projects

RPI Degree Planner (Rensselaer Center for Open Source)

Aug 2022 - Present

- Developing an application to allow RPI students to build their academic plans using **React.js**, **Redux**, **HTML**, and **CSS**
- Worked with **React components**, **Forms**, **Events** and **state management using Redux**
- Wrote **Python web scrapers** to scrape degrees requirements from the RPI catalog website
- Modeled course data and degree data into JSON

Learning Assistant Management System

Aug 2022 - December 2022

- Developed a full-stack application using **Angular**, **Node.js**, and **MongoDB** as a solution for RPI's Learning Assistants and academic staff to manage students
- Responsible for making **HTTP requests** to interact with the backend server and database.
- Developed reusable Angular components and services to consume **RESTful API**
- Designed the UI, and produced wireframe and flow diagrams using **Figma**
- Work collaboratively in an Agile team of 4 other developers

Shuttle Tracker (Rensselaer Center for Open Source)

Aug 2021 - May 2022

- Contributed to an Open Source project providing campus shuttle tracking services
- Built a new website for Shuttle Tracker ensuring a smooth and stable user experience
- Developed front-end components in **HTML**, **CSS**, and **Vue.js** framework
- Worked collaboratively in a group of 15+ members using **Git** and **GitHub** for version control
- Application is used daily by more than 100 members of the RPI community

Relevant Skills

Languages: JavaScript, TypeScript, Python, C++

Web Development: React.js, Redux, Node.js, Angular, HTML, CSS

Technologies: Git, GitHub, MongoDB, SQL, MySQL, Figma

Coursework: Data Structures, Algorithms, Software Design and Documentation, Computer Architecture, Operating Systems