

Results-driven Software Engineer with a proven track record in software design, implementation, and team leadership. Specialized in creating captivating user experiences through front-end technologies while demonstrating proficiency in back-end system architecture design and implementation. Passionate about integrating cutting-edge technologies to enhance workflow efficiency. Eager to contribute expertise and leadership to a dynamic team during a 2024 Spring/Summer/Fall CO-OP opportunity.

- Versatile UI designer creating engaging elements
- Extensive background in crafting algorithms for mathematical computations
- Advocate for non-nesting to produce clean and readable code
- Proficient in advanced software system design patterns
- Effective communicator and presenter with a thoughtful approach

Education

Rochester Institute of Technology, September 2021 - May 2026, Software Engineering Major, GPA 3.54

Project Experience

PKP - I spearheaded the development of a cutting-edge mobile ticketing services application designed to captivate new customers through a blend of enticing and relevant features. The project commenced with minimal initial specifications, evolving into a robust application through an iterative prototyping process.

- Developed usable functionality in React Native, incorporating user feedback to enhance user experience continually.
- Engineered a robust multi-tiered architecture using **Node.js**, and **MongoDB**, and integrated **Stripe's** payment gateway for seamless transactions.

FlipGPT - Led a team in a 24-hour hackathon to create an innovative AI-powered study tool, resembling Quizlet, supporting students' academic habits. Despite challenging conditions we successfully integrated **ChatGPT**, designed and developed a holistic RIT-themed UI, and overcame time constraints, resulting in a valuable and prize-winning tool.

- Leveraged **ChatGPT** via a custom **Node.js API** for dynamic content generation.
- Crafted an aesthetically pleasing RIT-themed UI with highly interactive components using **React** in **Typescript**.

Falconer - Contributed to the development of an e-services platform showcasing the efficiency of an agile development environment. The project, centered around Falconry, involved coordinating tasks through **Slack** and **Trello**.

- Utilized **Java** with **SpringBoot** for data persistence and an **Angular** application for the user interface.

COMIX - Challenged to showcase proficiency in software design patterns, our team developed a CLI library system incorporating seven distinct patterns. Leveraged advanced patterns including **Mediator**, **Factory**, and **Command** to enhance the CLI functionality and user experience.

- Employed **SQL** for persistent data across clients and **Java** for seamless database interaction.
- Adopted an **Agile Scrum** process, managing tasks and bugs collaboratively with **Trello**.

Professional Experience

Independent Web Contractor - Personal Website

May 2022 - June 2022

During the period from May 2022 to June 2023, I served as an Independent Web Contractor, taking on a significant project to develop a personal website for a client aspiring to showcase their skills as a web and mobile designer to potential employers.

- Executed as a pure front-end project using React, adhering to specific design requirements for pixel-perfect precision.
- Surpassed the client's timeline expectations, delivering a fully functional website ahead of schedule.

Technological Proficiencies

React	React Native	Node.js	Java	Python	SQL
MongoDB	Angular	Flask	SpringBoot	Stripe	Figma
C	C++	Socket.io	GitHub	Expo	Typescript
Trello	Redux	Slack	REST API	Software Patterns	Express.js