Cih-Lian Liao

Seattle, WA | (619)-707-0648 | cihlianliao@gmail.com | <u>LinkedIn</u> | <u>GitHub</u> | <u>Portfolio Web</u>

Summary

Master's student in Information Systems at Northeastern University, Seattle, specializing in front-end development and user-centered design. Skilled in building responsive web applications with React, JavaScript, HTML/CSS, and Tailwind. Experienced in cross-functional collaboration through prior professional roles. Authorized to work in the U.S. without sponsorship. Actively seeking a Summer 2026 Software Engineering Internship to apply technical expertise and design-driven solutions to impactful projects.

Education

Northeastern University   Expected Graduation Dec 2026 | Seattle, WA

- Master of Science in Information Systems(Computer Engineering)
- Coursework: Application Modeling and Design(Java), Introduction to Python for Information Systems, Application Engineering and Development(Java), Web Design and User Experience Engineering(Front-End, JavaScript, React, Vite), Data Management and Database Design(SQL, MYSQL), Program Structure and Algorithms(Java), User Experience in Era of Gen AI

Skills

- Programming Languages: Python, Java, JavaScript, TypeScript
- Front-End: HTM, CSS, React, Vue.js, Vite, Bootstrap, Figma | Back-End: Node.js, Express.js, REST APIs
- Databases & Data Management: SQL, MySQL, NoSQL, MongoDB
- AI & UX: OpenAI API, Prompt Engineering, Generative AI for UX Design, AI-Driven User Experience Optimization
- Languages: English (Fluent), Mandarin Chinese (Native), Korean (Fluent)

Selected Projects

FunzyMart | React E-Commerce Website - <u>GitHub</u> | <u>Demo</u>

- Developed a modern, single-page e-commerce application with **React(Vite)**, **JavaScript**, **HTML/CSS,** focusing on a seamless and interactive user shopping journey from product discovery to cart management.
- Architected a modular system with reusable components and centralized state via **Context API**, enabling complex features like real-time filtering and instant cart updates without page reloads.
- Implemented client-side routing with **React Router** to create a fluid navigation experience, significantly enhancing user engagement and reducing perceived latency.

Sneat Dashboard Analytics Platform | Full-Stack React Application - <u>GitHub</u> | <u>Demo</u>

- Architected full-stack analytics platform using React 18, Vercel Functions, and MongoDB Atlas, implementing serverless APIs and responsive web design for cross-platform compatibility.
- Designed scalable serverless backend services with MongoDB Atlas database integration, achieving sub-200ms response times for real-time data aggregation and business intelligence reporting.
- Engineered responsive React frontend with 20+ reusable components, implementing dark mode, mobile optimization, and interactive charts using Chart.js and custom CSS architecture.

Flood Map Alert | Northeastern University Hackathon 2024 (Team Project) - GitHub | Demo

- Leveraged the **Leaflet.js library** to consume and display data from the **OpenStreetMap tile API**, creating a platform for real-time flood danger assessment.
- Designed and developed critical supporting modules—including a Community Reports feed, a Safe Parking Finder, and an Emergency Resource directory—to centralize information and accelerate decision-making during crises.
- Built a highly responsive and intuitive UI with vanilla **JavaScript**, **HTML**, and **CSS**, implementing features like a dynamic navbar and toast-based alerts to ensure usability across all devices.
- Collaborated within a 3-member team to deliver a functional prototype in just 72 hours, addressing urgent community resilience challenges and demonstrating rapid problem-solving capabilities.

Personal Portfolio | Interactive React App with Custom AI Chatbot - GitHub | Demo

- Developed a fully responsive personal portfolio using React and deployed it on Vercel for global, high-performance access.
- Engineered and integrated a custom AI chatbot API, allowing visitors to interactively query my skills, project details, and experience in a conversational format.
- Designed a clean, modern UI that effectively showcases my career journey and technical abilities, creating a unique and personalized user experience.

Experience

Translator, Interpreter & Project Coordinator   2019 - 2023 | Taiwan

- Delivered professional Korean/Chinese interpretation for business meetings and international events.
- Coordinated cross-cultural teams and facilitated effective communication under high-pressure environments.
- Managed operations of a translation talent platform, collaborating with engineers to improve usability and workflows.
- Developed strong problem-solving, adaptability, and teamwork skills, which now support my transition into software engineering.