

Cih-Lian Liao

Seattle, WA | (619)-707-0648 | cihlianliao@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio Web](#)

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

Sneat Dashboard Analytics Platform | Full-Stack React Application - [GitHub](#) | [Demo](#)

- 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.

FunzyMart | React E-Commerce Website - [GitHub](#) | [Demo](#)

- 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.

Splash Flood Risk Management Platform - [GitHub](#) | [Demo](#)

- Developed a flood risk management platform with JavaScript, Leaflet.js, and National Weather Service (NWS) API, enabling real-time weather intelligence and geospatial visualization for emergency response.
- Designed advanced modules including interactive flood risk mapping, Community Intelligence (fusing NWS alerts with user reports), Safe Parking Finder, and an Emergency Response Center with neighborhood resources.
- Engineered a responsive, mobile-first UI (HTML5/CSS3/JS) with dynamic navigation, map overlays, toast notifications, and offline-tolerant local storage.
- Implemented robust workflows for REST/JSON API integration, geospatial coordinate processing, and risk calculation pipelines, ensuring reliable and intelligent user experience during weather emergencies.

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.