

Claire Guo

(905)717-9281 | claire.guo@uwaterloo.ca | [linkedin.com/in/claire-jl-guo](https://www.linkedin.com/in/claire-jl-guo) | github.com/claireg0

SKILLS

Languages: Java, Python, JavaScript, C, C++, HTML/CSS, TypeScript, Swift

Frameworks and Libraries: ReactJS, TailwindCSS, Flask, jQuery, Wow.js, Vite.js

Tools and Technologies: Git, GitHub, GitLab, JSON, VS Code, Figma, Jupyter Notebooks, SageMath

EXPERIENCE

Full-Stack Software Engineer

May 2025 - Aug. 2025

Shopify

Toronto, ON

- Improving and streamlining Shopify's shipping and taxes system

Website Developer

Jun. 2024 - Aug. 2024

Richmond Hill World of Life Christian Church

Richmond Hill, ON

- Designed and developed a responsive church website using **HTML**, **CSS**, and **JavaScript**, enhancing user engagement with **jQuery**-powered interactivity and **Wow.js** animations
- Optimized visual quality with **Retina.js** by up to **300%** and ensured cross-browser compatibility for seamless performance on all devices
- Reduced initial website loading time by **50-70%** through optimization strategies, including lazy loading and a responsive design, improving user experience and site performance
- Successfully launched the website in mid-August using **Cloudflare**, strengthening the church's online presence and fostering community interaction

iOS Mobile App Developer

Apr. 2023 - Jun. 2023

Digitera Interactive

Ottawa, ON

- Developed an **iOS app** using **Swift** and **Xcode** to streamline exposition registration, incorporating features for event details, speaker information, and secure in-app payments
- Prepared the app for its upcoming release, enhancing the attendee journey through efficient and user-friendly registration and engagement features

UI/UX Designer

Jul. 2022 - Apr. 2023

Digitera Interactive

Ottawa, ON

- Served as the primary UI/UX designer, collaborating closely with the CEO of Digitera
- Prom Planner:** Designed an app using **Figma** to streamline prom planning, including features for booking
- Mobile Entertainment Exposition:** Created an app using **Figma** to facilitate registration for an exposition, as well as providing users with detailed event and speaker information
- Focused on creating **intuitive and engaging user experiences** that align with the clients' goals
- Delivered comprehensive designs **30% faster** than anticipated, contributing to the successful development and upcoming releases

PROJECTS

LemonAid | *Python, Flask, React, TailwindCSS, OpenAI API, RESTful API*

Aug. 2024

- Developed an AI-powered pantry app which can read, estimate and remind users of expiration dates with a picture
- Designed and implemented a scalable backend using **Python** and **Flask**, while building an intuitive user interface with **ReactJS** and **Tailwind CSS** to deliver a seamless and responsive user experience.
- Integrated **RESTful APIs** and **OpenAI's image recognition** capabilities to achieve high-accuracy expiration date predictions, reducing food waste through timely reminders

Goosebusters | *Python, OpenCV, Mediapipe, Raspberry Pi OS, Git*

Oct. 2024 – Nov. 2024

- Leveraged **Raspberry Pi 5** with **OpenCV** for **live video processing** and **MediaPipe** for **real-time motion detection** and tracking to develop an automated water-shooting system to deter geese
- Implemented a servo and pump mechanism for precise targeting and effective deterrence, enhancing system reliability and accuracy

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Software Engineering, Specialization in Artificial Intelligence

Sept. 2024 – May 2029

- Cumulative 4.0 GPA (96% average)