

Claire Shen

✉ claireshendev@gmail.com  claire-shen-dev  claire-shen  claireshen.co ☎ 416-475-7817

EDUCATION

University of Waterloo, Bachelor's of Computer Science Sep 2021 – Aug 2026
Wilfrid Laurier University, Bachelor's of Business Administration, Finance Concentration Sep 2021 – Aug 2026

SKILLS

Programming Languages

Java, Python, C, C++, Javascript, Typescript, HTML, CSS

Tools, Frameworks, and Libraries

Spring Boot, Maven, Postman, Thymeleaf, Mockito, React, Angular, Node, MySQL, Figma, Github, VSCode, JQuery, Storybook, Bootstrap, SonarQube, Bitbucket, Veracode, JaCoCo

EXPERIENCE

Backend Software Engineer Intern, Toronto Dominion Bank (TD) Jan 2024 – May 2024
Toronto, Canada

- Streamlined a developer-facing application that automated the gathering of **code quality metrics** from SonarQube
- Achieved **90%+** code coverage on JaCoCo report with **JUnit4** test cases
- Saved **\$3,500/month** by decommissioning redundant lower environments
- Utilized Postman to test data transfer to underwriters, ensuring the **HTTP endpoints** for the Spring Boot mortgage renewal REST API were accurate
- Aligned different **test set environments** to be in line with latest deployment
- Identified and mitigated high-risk open redirect vulnerabilities by updating dependencies

Frontend Software Engineer Intern, Toronto Dominion Bank (TD) Jan 2023 – Apr 2023
Toronto, Canada

- Implemented features and enhancements using Angular for the Easy Apply credit card web application being used by **1000+** applicants daily
- Created an age verification checkpoint based on province to streamline the **eligibility process**, increasing retention by **15%**
- Enhanced the application's modularity and reusability by developing a collection of reusable components using **Storybook**

BU 111 Instructional Assistant, Lazaridis School of Business & Economics Sep 2024 – present
Waterloo, Canada

- Designed and lead 2 weekly labs of **30+** students, with additional one-on-one sessions
- Assessed student performance through grading assignments, and exams, providing constructive feedback to support academic improvement
- Collaborated with professors to align lab activities with course objectives


Personal Trainer, University of Waterloo May 2022 – Aug 2024
Waterloo, Canada

- Created tailored exercise programs for clients based on their individual goals, fitness levels, and medical considerations
- Increased attendance by **25%** at Lift & Learn sessions and specialized clinics

PROJECTS

Pizza Macro Calculator, Javascript, HTML/CSS, Bootstrap 

- An application that takes away the manual work of searching a pdf, to calculate the nutritional info for custom pizzas

Strength Club Website, React, Tailwind CSS, TypeScript, Yarn 

- A React-based web application designed to highlight the achievements and initiatives of the UWaterloo Strength Club

Laurier Case Team Website, Javascript, HTML/CSS, Webflow 

- A multi-platform responsive website used by the Laurier Case Team

Cat Finder, Javascript, TensorFlow, HTML/CSS, Bootstrap 

- A machine learning application that identifies cat breeds from images and features a gallery of cat memes

LEADERSHIP

UW Strength Club, Webmaster, Previous President May 2023 – Present
Waterloo, Canada

- Oversaw club **finances**, prepared **grant proposals**, and handled administrative processes for a club with **300+ members**
- Regularly maintained and updated the club website

Laurier Case Team, Academic Delegate Jul 2023 – May 2024
Waterloo, Canada

- Placed 2nd at **JDCC, a nation-wide case competition** in the **marketing** track
- Helping first years develop their case analysis skills through workshops and critiques