

# Claire Shen

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## EDUCATION

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

## SKILLS

### Programming Languages

Java, Python, C, C++, R, Javascript, Typescript

### Tools, Frameworks, and Libraries

Spring Boot, Maven, Postman, HTML, CSS, 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

- Initiated 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 identifying and decommissioning redundant lower environments
- Built a Postman collection to test data transfer to underwriters, ensuring the **HTTP endpoints** for the Spring Boot mortgage renewal REST API were accurate
- Ensured different **test set environments** were in line with latest production 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 pop-up features using Angular for the Easy Apply credit card web application, used by **1000+** applicants daily
- Created an age verification checkpoint based on province to streamline the credit card **eligibility process**, increasing retention by **15%**
- Enhanced the application's modularity and reusability by developing a collection of reusable components such as buttons and titles using **Storybook**

**Business 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 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

**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

**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