

# Claire Shen

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## EDUCATION

**University of Waterloo**, Bachelor of Computer Science 09/2021 – 08/2026  
**Wilfrid Laurier University**, Bachelor of Business Administration, Finance Concentration 09/2021 – 08/2026

## SKILLS

### Programming Languages

Java, Python, C, C++, R, JavaScript, TypeScript

### Tools, Frameworks, and Libraries

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

## EXPERIENCE

**Backend Software Engineer Intern**, Toronto Dominion Bank (TD) 01/2024 – 05/2024  
Toronto, Canada

- Initiated a developer-facing Python application that automated the gathering of **code quality metrics** from SonarQube for **80+ APIs**
- Achieved **90%+** code coverage on JaCoCo report with **JUnit4** test cases
- Saved **\$3,500/month** by identifying and decommissioning unused test environments, as well as aligning all environments with the latest production deployment
- Built a Postman collection to test data transfer to underwriters, ensuring the **HTTP endpoints** for the Spring Boot mortgage renewal REST API were accurate
- Identified and mitigated open redirect vulnerabilities by updating dependencies


**Frontend Software Engineer Intern**, Toronto Dominion Bank (TD) 01/2023 – 04/2023  
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%**
- Developed a collection of reusable components such as buttons and titles with **Storybook** to enhance the application's modularity and reusability


**Business 111 Instructional Assistant**, Lazaridis School of Business & Economics 09/2024 – 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

## PROJECTS

**Pizza Macro Calculator**, Javascript, HTML/CSS, Bootstrap 

- A website that takes away the manual work of searching a pdf, to calculate the nutritional info for custom pizzas
- Used by **50+** UWaterloo students monthly to reduce the time spent calculating from **10 minutes to 1 minute**

**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 07/2023 – 05/2024  
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 05/2023 – 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