Claire Shen

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EDUCATION

University of Waterloo, Bachelor of Computer Science   09/2021 — 04/2027

Wilfrid Laurier University, Bachelor of Business Administration, Finance Concentration   09/2021 — 04/2027

SKILLS

Programming Languages
Java, Python, C, C++, R, JavaScript, TypeScript, Go

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, Docker, Kubernetes, LeanIX, Tomcat, TortoiseGit, Lombok, MySQL Workbench, IntelliJ, Eclipse

EXPERIENCE

Software Development Engineer Intern, Amazon Web Services   05/2025 — present
- Upcoming summer internship   Vancouver, Canada

Solutions Architect Intern, Fidelity Investments   01/2025 — 04/2025
- Built a Java-based fund launch platform that streamlined the launch of **300+** mutual   Toronto, Canada
  funds for portfolio managers and their **80+** team members, replacing Excel workflows
- Worked on a backend **migration to Spring Boot,** refactoring the DAO, service, and
  controller layers for cleaner, more maintainable architecture.
- Containerized the application with **Docker**, creating an image deployable on **Tomcat**
  for consistent and simplified deployment.

Backend Software Engineer Intern, Toronto Dominion Bank (TD)   01/2024 — 05/2024
- Initiated a developer-facing Python application that automated the gathering of **code**   Toronto, Canada
  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 dev/test
  environments, as well as aligning test 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

Frontend Software Engineer Intern, Toronto Dominion Bank (TD)   01/2023 — 04/2023
- Implemented pop-up features using Angular for the Easy Apply credit card web   Toronto, Canada
  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 — 12/2024
- Designed and led 2 weekly labs of **30+** students, with additional one-on-one sessions   Waterloo, Canada
- Assessed student performance through grading assignments and exams, providing
  constructive feedback to support academic improvement

PROJECTS

Pizza Macro Calculator, JavaScript, HTML/CSS, Bootstrap 🔗
- A website that eliminates the manual task of searching a PDF to calculate nutritional information for 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

Cat Finder, JavaScript, TensorFlow, HTML/CSS, Bootstrap 🔗
- A machine learning application that identifies cat breeds from images and features a gallery of cat memes