

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	09.2021 – 04.2027

SKILLS

Programming Languages

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

Tools, Frameworks, and Libraries

Kubernetes, Docker, AWS (EC2, S3, IAM, CloudWatch, EMR, Glue, RDS, DynamoDB, Athena), Spring Boot, Node.js, React, Angular, PySpark, MySQL, REST APIs, Terraform, CI/CD, SonarQube, Veracode, JaCoCo, Postman, Mockito, GitHub, Bitbucket, Tomcat, Flask, Redis

EXPERIENCE

Software Development Engineer Intern, Amazon Web Services	10.2025 – Present Seattle, USA
<ul style="list-style-type: none">Centralized 200PB/day DynamoDB request-router log analysis using EMR + Athena, cutting ad-hoc incident query time by 1–2 hours per event and reducing on-call load.Shipped a forecasting dashboard projecting host ingestion demand, accelerating CAPEX planning for 20+ internal DynamoDB teams.Built REST APIs surfacing live CloudWatch metrics into a consolidated dashboard used by 50+ TPMs for weekly and quarterly reviews.	
Software Development Engineer Intern, Amazon Web Services	05.2025 – 08.2025 Vancouver, Canada
<ul style="list-style-type: none">Accelerated delivery of 12 RDS control-plane features by 6–9 months by reducing deployment coupling and improving rollback safety across control-plane services.Engineered a thread-safe transient state store for job tracking, enabling reliable concurrent execution of Rhai scripts at 100 TPS in a high-throughput orchestrator.Designed and implemented a durable persistence layer to preserve data integrity across server crashes and EC2 instance restarts, reducing recovery time by 30%	
Solutions Architect Intern, Fidelity Investments	01.2025 – 04.2025 Toronto, Canada
<ul style="list-style-type: none">Built a Java-based fund launch platform that streamlined the launch of 300+ mutual 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 Toronto, Canada
<ul style="list-style-type: none">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.	
Frontend Software Engineer Intern, Toronto Dominion Bank (TD)	01.2023 – 04.2023 Toronto, Canada
<ul style="list-style-type: none">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%.	