

Richard Xiong

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EDUCATION

University of Ottawa

Honours Bachelor of Science (Computer Science)

Ottawa, ON

April 2017

Centennial College

Ontario College Advanced Diploma (Game Programming)

Toronto, ON

September 2025 - Present

EXPERIENCE

Carpenter (Flooring)

January 2020 – Present

SpartaCon Developments

Ottawa, ON

- Installed solid/engineered hardwood (nail-down, glue-down, floating) and LVP/LVT/laminate to manufacturer tolerances.
- Fabricated and installed stair treads, risers, nosings, skirts, and landings; matched stains or finishes to adjacent floors.
- Estimated materials, optimized cuts, and managed inventory to reduce waste and maintain budgets.
- Coordinated with GC, painters, and millwork to sequence installs and protect finished surfaces in occupied spaces.

Software Developer

September 2017 – September 2019

Canadian Food Inspection Agency (CFIA)

Ottawa, ON

- Designed and developed an internal application programming interface (API) to consolidate various distributed systems, automating vital data-entry processes.
- Completely rebuilt the Human Resources Portal's user interface by using Java, Spring, and Thymeleaf.
- Collaborated with teams across the organization to enhance an API supporting a food-recall notification service accessed by millions of Canadians, importing/exporting entities, and various stakeholders.
- Improved and enhanced existing command-line interface (CLI) applications by rebuilding and testing them in Go, with a focus on sustainability and performance.
- Developed scripts utilizing SQL to automate data extraction, enhancing real-time analytics and reducing report generation times during peak periods.
- Redesigned and reconstructed multiple legacy PHP APIs into scalable and maintainable REST APIs using Java.
- Designed, tested, and wrote technical documentation for new Go modules and packages; debugged and refactored critical issues; reviewed and evaluated peer contributions.

SharePoint System Administrator (co-op)

May 2017 – August 2017

Canadian Food Inspection Agency (CFIA)

Ottawa, ON

- Engineered digital SharePoint solutions, which were used by hundreds of inspectors across the organization to gather essential inspection data in the field.
- Managed the enhancement and maintenance of 100+ SharePoint workspace applications for various internal business lines, working groups, and committees.
- Participated in discussions and meetings with strategic business units and cross-functional teams, focusing on the critical task of gathering and refining project requirements.
- Created, maintained, and enhanced legacy applications and user interfaces with Java, Spring, and Thymeleaf.
- Authored, revised, and updated technical documentation for existing REST APIs.

SKILLS

Go/Golang, Bash, Zsh, jQuery, Java, Maven, Spring Boot, Thymeleaf, Python, HTML, SQL (PostgreSQL), AWS Lambda, Linux (Ubuntu & Debian), Git, Docker, JIRA, Confluence, PowerBI, Unit Testing, Integration Testing, TDD, OOP, Backend, REST, gRPC