

Victor Sun

(647)-687-8668 | ontariovictor@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

EDUCATION

Western University

London, ON

Bachelor of Engineering Science in Software Engineering

Sept. 2023 – May 2028

Awards: Dean's Honour List (3.7/4.0 GPA)

- **Relevant Coursework:** Object-Oriented Programming, Algorithms and Data Structures, Database Management Systems, Operating Systems, Software Design, Software Construction, Discrete Structures

TECHNICAL SKILLS

Programming Languages: Java, C#, JavaScript, TypeScript, Python, SQL, HTML, CSS

Tools & Frameworks: Spring Boot, Node.js, React, Angular, Git, GitHub Actions, .NET, Playwright, Selenium, Postman, Microsoft SQL Server, PostgreSQL, MySQL, AWS, Docker, Azure DevOps, GitHub, Jira, Confluence

EXPERIENCE

Nelnet

Mississauga, ON

Software Development Engineer in Test (SDET) Intern

May 2026 – Dec. 2026

- Develop and maintain automated testing services using **C#, .NET, and Playwright** to validate web applications, **REST APIs**, transactional **backend workflows**, and simulated z/OS mainframe endpoints through **integration testing**.
- Build and maintain reusable automated test suites to validate system behavior across frontend and backend components, improving test coverage and reliability across application workflows.
- Integrate automated test suites into **CI/CD pipelines** using **GitHub Actions** and **Git**, supporting continuous validation of application changes and deployment workflows.
- Collaborate with software engineers, QA engineers, and DevOps engineers within **Agile workflows**, utilizing **Jira** and **Confluence** to track development tasks, document requirements, and coordinate project deliverables

McAsphalt Industries Ltd.

Toronto, ON

Full Stack Developer Intern

May 2025 – Aug. 2025

- Developed a **full-stack predictive analytics platform** to forecast asphalt shipment volumes, integrating **Python-based machine learning models** with a **React frontend** and **Azure-hosted backend services**
- Designed and implemented **RESTful APIs** and **backend services** to process, store, and serve operational data, enabling **real-time visualization** and interaction through a dynamic **React dashboard**
- Developed an inventory management system in under 2 months using **Java**, **JavaScript**, and **MySQL**, supporting real-time tracking of orders, serial numbers, and product availability

PROJECTS

[CalorieKarma](#) | Full-Stack Accountability Tracking Application

- Developed a **Full-Stack CRUD** social accountability application built with **Java/Spring Boot** and a **JavaScript/HTML/CSS** front-end, implementing a **layered architecture** for scalable data management
- Implemented a high-stakes group challenge system featuring peer-assigned 'punishments' and automated group dissolution logic based on goal completion
- Integrated **PostgreSQL** with **JPA/Hibernate** for persistence, secured with **BCrypt** authentication, and deployed the application via **Railway** and **Netlify**.

[DermaAi](#) | Deep Learning Tool for Early Melanoma Detection

- Developed a screening tool that uses a **deep learning model** to detect early-stage melanoma from skin histopathology images using **Python**, **YOLOv8**, and **custom-labeled training datasets**
- Achieved a detection accuracy of **90%+** on test images, demonstrating strong potential for assisting dermatologists with early cancer screening