

Victor Sun

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EDUCATION

Western University

BESc in Software Engineering

London, ON

Sept. 2023 – May 2027

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

- **Relevant Coursework:** Object-Oriented Programming, Algorithms and Data Structures, Database Management Systems, Software Construction, Scripting Programming Language, Software Management, Probability and Statistics, Multivariable Calculus

SKILLS

Programming Languages: Java, JavaScript, Python, SQL, HTML, CSS

Tools: Spring Boot, Node.js, Postman, AWS, Git, React, MySQL, PostgreSQL, Microsoft Office (Power BI, Excel, PowerPoint, Word)

EXPERIENCE

McAsphalt

Toronto, ON

Full Stack Developer | IT Intern

May 2025 – August 2025

- Worked as the **lead developer** to develop a **predictive AI dashboard** for asphalt shipment volumes by implementing a **React-based analytics** dashboard to integrate **machine learning** models
- Developed an **inventory tracking application** in **<2 months** to help users at McAsphalt keep track of serial numbers, orders, and item availability using **Java, JavaScript, React, and MySQL**
- Used the **ServiceNow** ticketing system to solve issues for users across **25+ locations** in North America

Muzi Dessert

Markham, ON

Full Stack Web Developer

Feb 2025 – May 2025

- Designed, developed, and shipped a responsive business website
- Helped **400+** users contact the business and learn about its product and services through interactive designs

PROJECTS

CalorieKarma – Full-Stack Accountability Tracking Application

Nov 2025 – Dec 2025

- Developed a **Full-Stack** social accountability and calorie tracker built with a **Java/Spring Boot API** and a **JS/HTML/CSS** front-end.
- Implemented a high-stakes group challenge system where users assign and view ‘punishments’ for peers who fail to meet their daily caloric goals.
- Utilized **PostgreSQL/JPA** for persistence, secured with **BCrypt** authentication, and deployed the application via **Railway/Netlify**.

VoluCast – Predictive AI Dashboard for Asphalt Shipment Volumes

July 2025 – August 2025

Lead Developer

- Developed a full-stack web application using **React, JavaScript, CSS, and Recharts** to deliver an interactive analytics dashboard
- Deployed on **Netlify** and **Azure** (backend/ML pipeline) with CI/CD workflows through **GitHub Actions**.
- Projected to serve **hundreds** of McAsphalt employees, reducing manual data entry and improving decision-making transparency across customer and supplier operations

DermaAi – Deep Learning Tool for Early Melanoma Detection

Jan 2025 – Feb 2025

- Developed a deep learning model to detect early-stage melanoma from skin lesion images using **Python, YOLOv8, and custom-labeled training datasets**
- Achieved a detection accuracy of **92%** on test images, demonstrating strong potential for assisting dermatologists with early cancer screening