

# May Yan

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## Education

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### McMaster University

Hamilton, Ontario, Canada

*Bachelor of Engineering · Software Engineering*

Sept 2022 - May 2027

**Coursework:** Data Structures and Algorithms, Introduction to Software Development, Object-Oriented Programming, Databases, Concurrent System Design, Linear Optimization, Signals and Systems, Software Requirements, Software Testing, Large System Design, Operating Systems, Computer Architecture

**Awards and Distinctions:** Granted the Engineering Award of Excellence for having an admission average exceeding 95%

## Experience

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### IT Solutions Specialist

May 2025 - Present

*Fujifilm Canada*

Mississauga, ON

- Developed a full-stack application using C# .Net Core for backend APIs and React + Typescript integrated with Three.js to enable interactive 3D product modeling on the frontend
- Reduced prototype development time and costs by ~40% by replacing physical samples with accurate 3D renderings
- Utilized and designed RESTful APIs in .NET
- Worked with large PostgreSQL database containing millions of records across product, customer, and order tables
- Designed complex SQL queries in PostgreSQL involving CTEs, joins, window functions, and aggregations

### Sales Associate

July 2023 - August 2024

*Uniqlo Canada*

Newmarket, ON

- Collaborated seamlessly with a large team of up to 20 fostering a positive and cohesive work environment to achieve sales targets up to 20 000 dollars a day and deliver exceptional customer service
- Effectively managed customer inquiries, processing transactions, and addressing concerns with professionalism
- Leveraged strong organizational skills to manage inventory levels, restock merchandise, and ensure the visual presentation of the store

### IT Technical Assistant

November 2022 - April 2023

*McMaster University*

Hamilton, ON

- Demonstrated quick learning by swiftly grasping new concepts and technologies essential for providing technical support and assistance
- Reorganized inventory using management services such as Meraki
- Used Jira to track and monitor project tasks

## Projects

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- **Maze Runner** Created a program that finds the shortest path out of a complex maze by utilizing an algorithm based on Breadth-First Search. Coded in Java adhering to object oriented programming principles and incorporating graph theory fundamentals
- **BirdScout** Collaborated effectively within a small team environment to develop BirdScout, a mobile application that identifies bird species from user input. Built using React Native and integrated Supabase for backend database management.

## Skills

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**Programming Languages & Frameworks:** Python, Java, C, C#, ASP.NET, Bash, HTML/CSS, Javascript, Typescript, React, SQL

**Technologies and Tools:** Git, LINUX/UNIX, CAD, MATLAB & Simulink, Quartus, Blender