

Ryan Luk

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EDUCATION

- York University** Currently **5th year** student; Graduating in **2025**
Bachelor of Science - Computer Science **GPA: 3.3**
Courses: Algorithms, Data Structures, Advanced Object-Oriented Programming, Databases, Professional Practice in Computing

PROJECTS

- Bidding Blitz** November 2024
Java Spring Boot, ReactJS, SQLite
 - Developed RESTful APIs using Java Spring Boot and JPA for efficient data handling.
 - Designed and implemented structured frontend components using ReactJS.
 - Configured SQLite to establish multiple backend database connections.
 - Collaborated with a small team of classmates to define project architecture before implementation.
- Student Management System** April 2023
Python, Flask, HTML, CSS, Javascript, SQL
 - Developed REST APIs using Python and Flask, facilitating seamless communication between the front-end and back-end systems.
 - Utilized HTML, CSS, and JavaScript to design and implement dynamic and interactive user interfaces, ensuring a smooth user experience.
 - Leveraged SQLAlchemy as the backend database management system to store and manage student information, course details, and other relevant data crucial for the application's functionality and performance.

WORK EXPERIENCE

- Application Programmer** Sept 2022 - April 2023
Ontario Ministry of Health *Full Time Co-op*
 - Worked with Microsoft PowerApps to manage Web Application
 - Used SQL to query from the Web Application
 - Utilised Power Automate to create functionality for Web Application
 - Collaborated with a team using Azure DevOps to manage tasks
 - Employed the Software Development Life Cycle (SDLC) throughout the course of the project
- Karate Instructor** September 2017 - Current
Northern Karate *Part Time*
 - Organize and Lead different drill activities
 - Teach various belt levels and ages; including black belt adults in several techniques
 - Supervise and monitor students' progression
 - Communicate with parents on students' development
- Swim Instructor/Lifeguard** September 2018 - March 2020
City of Vaughan *Part Time*
 - Scanning the pool and trying to prevent any pool incidents
 - Worked as a team of lifeguards to ensure safety at the pool
 - Teach students in an aquatic environment
 - Report educational progress to parents

CERTIFICATES

- Microsoft Azure Fundamentals

SKILLS SUMMARY

- Languages** Java, SQL, JavaScript, TypeScript, Node.js, Python, C#
- Frameworks** React, Flask, Unity
- DevOps** Azure, Microsoft PowerApps, Docker
- Soft Skills** Agile Software Development, Learning and Adaptability, Professional Communication, Time Management