


# Ryan Luk

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## EDUCATION

- York University** Currently **4th year** student; Graduating in **2026**  
Bachelor of Science - Computer Science **GPA: 3.3**  
*Courses: Algorithms, Data Structures, Advanced Object-Oriented Programming, Databases, Professional Practice in Computing*

## PROJECTS

- 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