

# Rayan Khalil

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## Education

### Bachelor of Engineering, Software Engineering

Expected Graduation Date: April 2028

Ontario Tech University, Oshawa, ON

(GPA: 3.9/4.3)

- **Awards:** President's List, Entrance Scholarship Award of \$2000 & in-course scholarships worth \$1500
- **Relevant Coursework:** Object Oriented Programming, Data Structures, Web Programming, Foundations of IT, Digital Systems, Principles/Requirements of Software and Electric Circuits.

## Experience

### Ontario Tech, Office of Secretary and General Counsel, Remote | HTML, CSS, JavaScript

Governance Administration

May 2025 - August 2025

- Supported university governance operations by contributing to board portal development and assisting with website updates using HTML, CSS, and JavaScript.
- Performed high-integrity administrative tasks and implemented accessible design standards to improve user experience and ensure compliance

### Ontario Tech Racing (Formula SAE - Motorsports), Oshawa, Ontario | JavaScript, React, Python, & C

Software Member

December 2023-Present

- Developing UI and server cluster software with **React (front-end) and FastAPI (back-end)** to streamline access to **computational fluid dynamics (CFD) simulations**, improving engineering analysis efficiency.
- **Redesigned and implemented a new website** using JavaScript, HTML, and CSS, improving team visibility and navigation for sponsors and members.
- Gained hands-on experience working with **STM32 microcontrollers**, contributing to the development and optimization of the vehicle's electronic systems.

### Wouessi (Digital Solutions Web, Apps & Marketing), Remote | MongoDB, React, Express & Node js,

Software Development Trainee

March 2025

- Contributed to the development of a full-stack **Employee Management System (EMS)** during a **30-hour** sprint; built management features including **role-based access and document upload using MERN stack**.

## Projects

### XP Reviews - Game Review Website | HTML, CSS, MySQL, JavaScript & PHP

Web Programming | SOFE 2800U

November 2024

- **Implemented MySQL databases** to securely store and manage **30+ game records** and user-submitted reviews, ensuring efficient data retrieval and updates.
- **Utilized GitHub for version control**, enabling seamless collaboration among team members and maintaining an organized codebase with frequent commits and branch management.

### Group Project Leader, Engineering Design | Solidworks, Google Suite

Project: Design a Scissor Lift

Engineering Design | ENGR 1025U

February 2024- April 2024

- Developed and improved leadership skills and organizational skills by collaborating with a **group of 8 students** to successfully design a scissor lift and provide appropriate documentation.

## Skills and Qualifications

- **Research:** Quickly learned new software and complex topics through research.
- **Problem-Solving:** Analyzed and debugged software issues with efficient solutions.
- **Programming:** Python, FastAPI, Java, JavaScript, React, GIT, HTML, CSS, PHP, SQL, MySQL, C, C# and C++.