Rayan Khalil

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Location: Greater Toronto Area

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EDUCATION

- **Ontario Tech University** — Oshawa, ON
  Bachelor of Engineering, Software Engineering; GPA: 3.9/4.3 — *Sep. 2023 – May. 2028*
  - **Awards:** President's List, Entrance Scholarship Award ($2000), In-course Scholarships ($1500 total)
  - **Relevant Courses:** Object Oriented Programming, Data Structures, Web Programming, Foundations of IT, Digital Systems, Principles/Requirements of Software and Electric Circuits.

EXPERIENCE

- **Governance Administration** — Remote
  Ontario Tech University, Office of the Secretary and General Counsel — *May 2025 - Aug 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

- **Software Developer** — Oshawa, ON
  Ontario Tech Racing (FSAE - Formula Student) — *Dec 2023 - Current*
  - 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.

- **Software Development Trainee** — Remote
  Wouessi (Digital Solutions Web, Apps & Marketing) — *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.
  - Utilized **GitHub for version control**, enabling collaboration and maintaining an organized codebase.

- **Group Project Leader, Engineering Design** — *Solidworks, Google Suite*
  Engineering Design — ENGR 1025U — *Feb 2024 – Apr 2024*
  - Led a team of **8 students** to design and document a fully-functional scissor lift; enhanced leadership and technical communication.

SKILLS QUALIFICATIONS

- **Languages:** Python, FastAPI, Java, JavaScript, React, GIT, HTML, CSS, PHP, SQL, MySQL, C, C# & C++.

- **Problem Solving:** Analyzed and debugged software issues with efficient solutions.

- **Research:** Quickly learned new software and complex topics through research.