

# MAXIMILLIAN RAILTON

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## EDUCATION

### McGILL UNIVERSITY

#### *Bachelor of Engineering*

#### *Computer Engineering with Minor in Artificial Intelligence*

- Relevant Coursework: Coding study in Python, C++, C, MatLab, VHDL, Bash, Java, Javascript, CSS, HTML, Machine Learning Implementation, Analysis and Maintenance of Electrical Circuits, Economics of Engineering
- Member of Varsity Track and Field Program

**Montreal, QC**  
**2020-2025**

### THE COUNTRY DAY SCHOOL

#### *Highschool Diploma*

- Awarded overall Degree with Distinction; 90%+ Final Academic Standing
- Part of Varsity Track and Field, Hockey and Soccer Team

**King City, ON**  
**2008-2020**

## PROFESSIONAL EXPERIENCE

### HAILA TECHNOLOGIES

*HaiLa Technologies is a leading global management consulting firm HaiLa Technologies is a Montreal based semiconductor IoT company specializing in ultra low power RF chips*

#### **Software and Hardware Engineering Intern**

**2023**

- Developed sophisticated algorithms to evaluate the efficiency of low-power RF chips, leveraging a comprehensive suite of instrumentation such as Current Measurement Units (CMUs), Digital Oscilloscopes, Precision Multimeters, and Advanced Power Supply Systems.
- Orchestrated the maintenance of intricate electrical systems by meticulously monitoring electrical current flow, and executed advanced circuitry modifications through the precision soldering of resistors and Application-Specific Integrated Circuits (ASICs).
- Articulated innovative propositions and engaged in strategic consultations with prospective investors during diverse networking symposiums.

**Montreal, QC**

### 2NITE APP

*2nite is a cell phone application that allows users to post, RSVP and purchase tickets to events around the city*

#### **Chief Technology Officer (CTO)**

**Montreal, QC**

**2023-Present**

- Orchestrated and refined the application architecture to optimize user experience and satisfaction.
- Conducted comprehensive diagnostics and executed rectifications of application code discrepancies, guaranteeing seamless functionality.
- Spearheaded promotional strategies and coordinated events to bolster application visibility and outreach.

### UPPER CANADA DENTAL CENTRE

*Upper Canada Dental is a Dental practice that has been performing multiple dental services and procedures for the past 30 years*

#### **Information Technology Specialist**

**Newmarket, ON**

**2018-2022**

- Executed sophisticated repairs and maintenance protocols for intricate electronic infrastructures, including advanced computer networks and enterprise servers.
- Deconstructed computer architectures with precision, as required, to identify and rectify hardware anomalies.
- Undertook comprehensive diagnostic assessments on computational systems to elucidate and rectify software discrepancies.
- Curated and systematized patient datasets, and furnished specialized technical assistance to office staff, facilitating swift identification and resolution of technological challenges.

### STEM MINDS CORP

*STEM Minds, is a learning center that gives children the ability to learn new skills in the STEM field through multiple programs*

#### **Tutor/Counsellor**

**Aurora, ON**

**2017**

- Fostered an enriched learning environment and extended specialized assistance to students facing challenges in advanced areas such as coding, robotics, and 3D Modeling projects.
- Facilitated the cultivation of interpersonal aptitudes in children, while also imparting methodologies for computational troubleshooting.

## ADDITIONAL INFORMATION

- Interests: Snowboarding, Sailing, Hockey, Soccer, Track and Field, AI/VR/AR Technology, Computer Software and Hardware, Video Games, Cars
- National Track and Field athlete
- Fluent in English and over 12 years of French study
- Knowledge and background in blockchain technology including cryptocurrency