

# EDMOND YANG

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## Technical Skills

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**Languages :** C/C++, Java, JavaScript, Python, HTML/CSS, SQL, VHDL, MATLAB, ASM (ARMv7), Bash

**Tools & Frameworks:** Git, GitHub, Wordpress, VS Code, CMake, Make, GDB, GCC, HubSpot, Valgrind, Bootstrap

**Interests:** Mobile Development, Game Development, Frontend, Speedcubing

## Experience

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### IT Specialist

May 2023 – August 2023

*Generis Group*

*Toronto, Ontario*

- Spearheaded SEO optimization of over **10 microsites** by overhauling on-page performance issues (loading speeds and structured data), effectively increasing search term rankings by **30%** using **JavaScript**, **HTML/CSS**, and **PHP**
- Developed automated chatbot (**HubSpot API**) to streamline inbounds and reduce redundancy in contact form entries
- Provided technical support to over **50+** in-office workers with software application issues and computer hardware troubleshooting across the team's Toronto and Berlin (virtually) locations
- Processed data of over **5,000+** past event attendees using Excel and WordPress to enable delegate/sponsor management of future summits

### Software Developer

November 2021 – 2022

*FIRST Robotics*

*Toronto, Ontario*

- Worked in a team of **3** programmers to implement and revise Java code for the FRC competition robot
- Organized GitHub repository with FRC documentation and relevant classes to delegate specific tasks to each member
- Integrated the compressor API to enable functionality with the pneumatics and arm components of the robot
- Implemented and debugged code to function with the swap of **TalonSRX** to **TalonFX** motor controllers

### Front-Desk Receptionist

April 2020 – August 2022

*Perfect Salon*

*Toronto, Ontario*

- Provided exceptional customer service while managing staff-client logs and executing store transactions at a fast pace
- Arranged client appointments and effectively answered in-store related queries relating to consultations and scheduling
- Actively maintained a clean and sanitary work environment abiding by the COVID-19 Business Guidelines
- Managed tasks during the opening and closing of the salon

## Projects

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### Generis Bot - Ticketing System & Chat Bot

August 2023

- Led concierge and ticketing system development using **HubSpot API**. Facilitated website navigation for delegates and sponsors and eliminated redundant form entries for operations and sales team
- Presented and launched project implementation to company's COO and account/sales managers for final approval

### Plantum - IoT Plant Monitoring Device | [GitHub](#) | [Link](#)

December 2022

- Synthesized a portable plant monitoring device that measures the soil moisture, humidity and brightness of a plant's surrounding environment in real-time using C
- Implemented an **STM32 microcontroller**, **DHT22** humidity & temperature module, photoresistors and soil moisture sensor to interpret data from external outputs and display them accordingly on a mini LCD monitor

### LooFi | [GitHub](#) | [Link](#)

August 2022

- Developed a LoFi music web application geared for Waterloo students to listen to while relaxing or studying
- Structured website layout (**HTML**, **CSS**, **JavaScript**, **Bootstrap**), and implemented responsive pages to be compatible with different media screens

### Perfect Salon Business Website | [GitHub](#) | [Link](#)

June 2022

- Designed business website to build company's digital presence while garnering over **75+** unique monthly viewers
- Implemented various libraries (**SwiperJS** and **GLightbox**) to refine the display functionality of images in various sections of the website (**HTML/CSS**, **JS**, **Bootstrap**)

## Education

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### University of Waterloo

Expected 2027

*Candidate of B.A.Sc. in Computer Engineering, Honours (2A)*

*Waterloo, Ontario*

- Coursework: Algorithms and Data Structures, Digital Computers and Embedded Systems, Electronic/Linear Circuits