JASON MACDONALD

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EDUCATION

Humber College -Advanced Diploma in Computer Engineering with a GPA of 3.7+ over a 3-year program   2024
Meadowvale Secondary School - Ontario Secondary School Diploma   2017

OBJECTIVE

- As a 2nd-year Computer Programming student with a demonstrated ability in problem solving, data structures, and object-oriented programming, I am eager to apply my skills and knowledge in a Co-op position in software engineering. With experience in database design and software development, I am well-versed in modern tech stacks and eager to contribute my talents to a dynamic team.

TECHNICAL SKILLS

Front End| Proficient in React, JavaScript, NodeJS, and CSS
Back End| Expertise in Java, C, C++, MongoDB, and MySQL
Others| Knowledgeable in programming embedded systems using C, C++, and Assembly for AVR Microcontrollers.

PROJECTS

Software Engineer | Humber College   **January 2023 - February 2023**

Volunteer Project
- Successfully led and managed a team of highly skilled developers to design and build a robust, full-stack application from scratch, incorporating advanced CRUD functionality. Utilized expertise in software engineering to oversee the development process and ensure efficient delivery of the project.
- Using Linux, Apache, MySQL, and PHP (LAMP) stack, delivering a highly scalable and robust solution.

Software Engineer | Humber College   **January 2023 - February 2023**

Volunteer Project
- Designed and developed an embedded environment for the Sense HAT board to effectively detect pressure, temperature, and CO_2 levels. Utilized expertise in low-level programming and sensor interface to deliver a real-time and accurate monitoring solution.
- Memory Optimization by identifying any memory leaks or corruption.
- Stack: Raspberry Pi, C++, Sensehat board.

EXPERIENCE

Popeyes Supplements, Mississauga, ON | **December 2017 - Present**

Key Holder/Senior member
- Responsibility of opening and closing the store operations on time
- Accepting purchase orders and processing sales receipts to keep stock up to date
- Operation of POS system in accordance with standards set by management, while communicating with other store across mississauga in order to keep store operations as up to date as possible
- Dealing with different types of people, also finding different ways to cater to a customer's specific needs

Alabricá Hotel (5 Star), S'agaro, Catalonia, Spain | **May 2022 - August 2022**

Security/Guest service
- Interacting with customers from all around the world to ensure their arrival at the hotel is a smooth transition
- Taking care of customer transportation within and outside of the hotel.

Real Canadian Superstore | Student Role   **December 2016 - December 2017**

Produce Clerk
- Ensure that my department as well as my coworkers departments were open on time
- Ensure stock was available and ready to meet client demands
- Assess supply and advise management when more was required in a timely manner

McDonald's | Student Role   **June 2015 - December 2016**

Front-end/Server
- Took care of every customer with consideration of their needs
- Constant communication between the kitchen to ensure food was delivered to customer on time