# IAIN MACDONALD

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## OBJECTIVE

I am an inquisitive, diligent, and hard-working first-year computer science student at McMaster University. My aspiration is to pursue a career in the tech industry as a developer, and I am currently seeking a **Summer co-op placement lasting 4 months**. With a strong foundation in computer science principles and a passion for problem-solving, I am eager to apply my analytical and collaborative skills to a dynamic work environment. I am enthusiastic about the opportunity to learn and grow within a professional setting, and I look forward to contributing to innovative projects.

## EDUCATION

### 2023 - 2027 | McMaster University

Bachelor of Applied Sciences - Computer Science | 3.9 overall GPA

## EXPERIENCE

### McMaster AI Society | Software Developer | Oct 2023 - Present

- Developing an innovative Python application that involves vectorizing different types of inputted documents, storing them in a database, and leveraging GPT-3.5 to provide accurate answers to user-generated questions.
- Utilizing advanced technologies, including LLM, Vectorization, Vector Database, and Similarity Search through API integration.
- Collaborating seamlessly within a team of 7 through GitHub, actively contributing to group sessions while engaging in discussions about design ideas during weekly meetings and daily reporting.

### Town of Oakville | General Labourer | May 2023 - Aug 2023

- Operated heavy machinery, including lawnmowers and trimmers, to thoroughly cut and trim public parks and trails.
- Demonstrated leadership by taking charge during periods of low activity, ensuring tasks were organized and completed properly.

### Digital Fire | IT Co-op Placement | Feb 2022 - Jun 2022

- Applied technical skills with precision to successfully set up, configure, and upgrade laptops and desktops, integrating hardware and software components to ensure optimal system performance and long-term reliability.
- Acquired coding proficiency to develop an office inventory system, resulting in improved organization and operational efficiency.
- Played a key role in important projects by working on hardware construction, and enhancing overall technology.

### Sobeys | Front End Cashier | May 2021 - Sep 2021

- Operated an advanced point-of-sale system with accuracy, ensuring smooth customer transactions and accurate sales records.
- Developed effective communication skills to assist customers, creating a positive shopping experience and contributing to a customer-focused environment.

## RELEVANT PROJECTS

### Portfolio Website | Dec 2023 - Present | GitHub

- Applied React.js, HTML, and CSS to develop a personal portfolio website within a 2-week timeframe.
- This task involved mastering intricate details and implementing these technologies to create a user-friendly and visually appealing interface, showcasing a diverse array of React.js techniques that can be transferred to other front-end projects.

## ACHIEVEMENTS

- Jun 2023: Academic Excellence (Graduated top 8% of my graduating class with a 98.7% average).
- Nov 2021: Hatch Game Jam Winner (2nd in Canada). Utilized P5.js to make a full game within one month.
- Oct 2020: Hatch Digital Coded Art Competition Winner (1st in Canada). Utilized Processing Python to create randomly generated art.

## SKILLS AND INTERESTS

- Web Development: React (since 2023), JavaScript within Google Appscript (since 2022), HTML, CSS
- Backend Development: Python (since 2020), Java (2022)
- Functional/Creative Programming: Elm (since 2023), Processing Python, P5.js (2017-2022). Proficient in Git & Google Docs/Sheets
- Golf, Basketball, Table Tennis, Piano, and Stock Market Investing