

Hien Tu

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HR Department

Company Name

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Company Address

City, State

Dear Hiring Manager,

Innovation is a crucial quality that a company requires to accelerate in the continuously developing world. In addition to my interest in innovation, having studied for a while, I would like to apply what I have learned to practice. Given the mentioned reasons, I am writing to express my interest in the **12-month** position of **Data Scientist Co-op at AMD**, posted on the McMaster Engineering Co-op and Career Services website.

I am currently enrolled in my **third year** of the **Computer Science Co-op** program. Throughout my academic career, I have maintained a **CGPA** of **4/4** and am currently on The Deans' Honour List. Throughout the courses, I have learned multiple programming languages including **Haskell, Python, Java** and got an introduction to web development using **HTML, CSS, JS** with **Django** framework. Furthermore, through several labs and assignments, I have developed my testing and debugging skills with **Pytest** and **JUnit**. Moreover, I have enhanced my clean-code writing skill using **Pylint** and documenting skills using **Doxygen**.

In addition to my education, I have improved and gained some valuable skills by creating a logic puzzle game using Java. Through the process of building the project, I have developed my self-learning skills to learn the **Java Swing** framework to create the GUI and to use Launch4j to export the game into a Windows executable file. In conjunction with self-learning, I have learned to integrate my in-class knowledge on Java into practice through the project. Furthermore, I have enhanced my critical thinking and problem solving skills as the game not only requires programming skills but mathematical knowledge is also needed. To clarify, knowledge on linear algebra, especially, on matrices and reduced row echelon, as well as the ability to implement it in Java are crucial to solve the puzzle.

Aside from my technical background, I have also developed essential soft skills as an **undergraduate teaching assistant** at McMaster University. I have developed my **communication skills** through conducting weekly tutorials and office hours to assist the students with their knowledge in a functional programming language named Haskell. Additionally, carrying the teaching assistant job while maintaining good standings in 5 courses has further improved my **time management skills** as well as **organization skills**. These skills were further strengthened through attending weekly meetings with the professor to report current progress and discuss future work.

In addition, as a member of the **McMaster Start Coding** club, I enhanced my teamwork and communication skills by collaborating in a group of four, including two kids and two mentors, to create a game promoting Covid-19 awareness using the club's online tool based on **Elm** at the beginning of the pandemic. As the leader of the team, I have exhibited my **leadership skills** by assigning tasks to the members where the kids would draw the figures while the other mentor and I were responsible for the mechanism of the game. During the work, I constantly checked the progress and provided support for the kids when needed.

With my skills and abilities, I am confident that I will be suitable for the position. I would appreciate the opportunity to meet and further discuss my qualifications. Please contact me at **(365) 888 5087** or at **tun1@mcmaster.ca** to arrange an interview at your earliest convenience. Thank you for your time and consideration.

Sincerely,
Hien Tu