## **DANIEL LAM**

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Tuesday, January 30th, 2024

Svetlana Cobzac

Canadian Food Inspection Agency

2001 Robert-Bourassa Blvd

Montreal, Québec H3A 3N2

**Subject: Application Tester (Co-op Student) with Canadian Food Inspection Agency**

Dear Mme Cobzac,

I am writing to express my sincerest interest in filling your open position as an Application Tester (Co-op Student) at Canadian Food Inspection Agency. As an ambitious and motivated student majoring in Software Engineering at Concordia University and graduate from the Computer Science Technology program at Dawson College, I believe that my knowledge and my experience with front-end development (HTML, CSS, JavaScript, React), server-side development (Node.js, Express.js) and back-end development (MySQL, PostgreSQL, Docker) will prove to be an invaluable asset.

Upon closer examination of your job description, I noticed that your job description is very keen on hiring candidates with experience in unit testing, test methodologies and Agile development. In a previous C# project, I simulated the interaction between a flock of sparrows and a predatory raven. My responsibilities encompassed coding the class logic for the Raven and Flock models, configuring the MonoGame framework for user-friendly interfaces, input management and sound effects. Furthermore, I also implemented the MSTest framework for comprehensive unit testing, ensuring the accuracy of any operations applied to the models and writing multiple unit test cases that would prevent edge cases from occurring.

As for my experience with Agile development, I led a previous project of four developers as scrum master and spearheaded the development of DMDB, a project inspired by IMDB, employing React components from the Mantine library and utilizing Node.js with Express.js for the backend. My personal contribution includes incorporating many Jest Unit Tests cases that verify the integrity of the data stored inside the database before executing any merge requests. This is done using CI/CD pipelines that would run these tests before every pull request. In addition to my expertise in the specified technologies, my proficiency in high-level programming languages like Java, JavaScript, and Python underscores my adaptability to your tech stack and any future technologies Canadian Food Inspection Agency may employ. I am eager to provide my skills and passion and I am committed to contribute effectively to your dynamic team.

As such, I would very much like to discuss opportunities with Canadian Food Inspection Agency and would appreciate the opportunity for an interview to elaborate on how my technical skills can benefit your team. Please feel free to contact me at **(514) 826-9869** or via email at [lam.daniel.123@hotmail.com](mailto:lam.daniel.123@hotmail.com) to schedule a meeting.

Thank you for considering my application. I am looking forward to the prospect of meeting with you.

Sincerely,

Daniel Lam