## **DANIEL LAM**

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Monday, January 29th, 2024

Romi Pelletier-Bourret

Genetec

2280 Boul. Alfred Nobel

St. Laurent, Québec H4S 2A4

**Subject: System Test Analyst for Intelligent Mobility with Genetec**

Dear Ms. Pelletier-Bourret,

I am writing to express my sincerest interest in filling your open position as a System Test Analyst for Intelligent Mobility at Genetec. 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 test methodologies and excellent communication skills. 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 excellent communication skills, 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 through the use of 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 Genetec 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 Genetec 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