

# AMANPREET SINGH NIJJAR

## Fourth Year Computer Engineering Undergraduate Student

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### Unilever Canada

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## LETTER OF INTENT - 8-MONTH REXDALE ENGINEERING CO-OP

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Attention Unilever Canada,

My name is Amanpreet Singh Nijjar and I am a 4th year computer engineering student from the University of Victoria, located in Victoria, BC Canada. A little about myself: I enjoy hiking around the local lakes of my home, trying different foods, and helping out at my uncles auto shop. I believe I would make a good developer for Unilever Canada because I have researched and created solutions to software problems, participated in code reviews, and wrote tests/documentation for solutions.

I have experience with HTML, CSS, and Javascript with creating a website and

At my last co-op with the Autonomous Underwater Vehicle Interdisciplinary Club (AUVIC), I developed a software solution involving the communication system between the main computer and several custom devices. The CAN bus protocol is a popularly used in vehicles and aircrafts because its physical connection is robust and data collision is avoided due to its arbitration method.

I have made two web applications with two different approaches. The first was a game for my ECE 356 class, called *Escape the Room*, using C# as the user interface, Python as the server, and SQLite as the database; the second as a personal project with HTML, CSS, and Javascript.

*Escape the Room* was a simple two person game that had the goal of escaping a room with the help of a second player. I am also a canadian citizen.

All the best,

Amanpreet Singh Nijjar.