

Luvneet Singh Bamrah

Faculty of Computer Science Co-op Program

<https://www.linkedin.com/in/luvneet-bamrah-157281214/>

Education:

September 2020 – Present	Bachelor of Science in Software Engineering Fredericton, NB
April 2020	Leaders Private School Sharjah, UAE
June 2019 – March 2020	CS50 – Introduction to game development Harvard University
May 2020	PH125 – Data Science: Machine learning Harvard University
June 2020	CS50 – Mobile App Development with React Native Harvard University

Work Experience:

April 2018 – April 2020	Leaders Private School , Sharjah, UAE Student council Organizing events throughout the year while keeping studylife balance Ensuring safety of students throughout campus
September 2021 – April 2022	University of New Brunswick Residence Assistant Providing frontline support to residents, with a focus for a safe and positive environment Maintaining discipline on the premises Submitting weekly reports to the management Emergency responses

School Experience

September-December 2023

SWE4103 – Software Quality and project management Topics include:

Emphasize testing, verification and validation, techniques, software project tracking, planning and scheduling, organizing and managing software development teams

Introduces formal specification languages, statistical software reliability engineering, factors influencing productivity and success, risk analysis and planning for change

Personal Projects:

- Made a program using Java and MySQL to imitate an online grocery.
- Made a program in VHDL that takes a base 11 button input, converts it to base 12 and displays it to the screen. Also implemented up/down counting and reset buttons.
- Made a game educating people on severe anxiety and other mental disorders.
- Made a GUI program that imitates a gym login system. Includes details of trainers, other staff, and customers.
- Made several remakes of popular games as coding project in a CS50 – Introduction to game development class (Harvard University)
- Currently working on a 2d platformer game, with a unique story line and custom music.
- Made a Sensor Management System with functioning database, database management, front end, back end and several development pipelines.
- Made a graphing system in JavaFX which actively takes in coordinates and can plot them. This system can also remove and edit data points.

Skills:

Programming Skills: Java, SQL, Python, C#,C, HTML5, JavaScript, VHDL, MatLab, Racket, Git, Assembly

Operating Systems: Microsoft Windows, Linux, Android, iOS

Soft Skills: Communication, Organisation, Problem Solving, Teamwork, Multitasking, Attention to detail