

# LIAM DESOUZA

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## Summary of Qualification

- Communication and Collaboration: worked in a small team to plan and set up table decorations for a business banquet during my grade 12 year
- Adaptability and Communication: worked with children one-on-one to develop their reading skills through books and literacy-based games
- Enthusiastic and Motivated: willing to learn and face new challenges
- Languages: Python, Java, C, Lisp
- Tools: Word, Powerpoint, Excel, Outlook, Visual Studio Code
- Operating System: Windows, Unix

## Projects

### Flight Reservation System

- Developed with Java to resemble a real-life flight system
- Incorporates object-oriented programming
- Features: reserve and cancel seats on a particular flight, check available flights and seats on a specific flight

### Bingo Game

- Designed using C
- The program is executed using Linux commands with a card file and seed number of the correct format.
- A random number is generated when the user enters a character or phrase. The number is marked if it appears on the user's card. If a row, column, or 4 corners are marked, the user has won the game

### Number System Converter

- Created using Python basics
- Able to convert between binary, decimal, hexadecimal, and octal numbers
- Implements methods to increase the efficiency of the program

## **Education**

Bachelor of Science, Computer Science (Co-op)

September 2020 - Present

Ryerson University

- CGPA: 3.51/4.33
- Courses taken: Computer Science I and II, Computer Organization I and II, Data Structures, Introduction to Unix, C, and C++

## **Work Experience**

Instructor

September 2018 - January 2019

Kumon North America

Unionville

- Responsible for grading students classwork and homework. Provided support to students having difficulty understanding math and reading concepts
- Collaborated with the Kumon team and director to prepare students work for their respective in-person visits
- Communicated with the team lead and/or director to address issues that arose with a particular student

## **Awards**

Dean's List, Faculty of Science, Academic Year 2020 - 2021

General Entrance Scholarship, Ryerson University, Academic Year 2020 - 2021

YSCPC Leadership Award, St. Augustine Catholic High School, 2020