

# Salman Shaikh

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## EDUCATION

**Honours Specialization in Computer Science**, University of Western Ontario, London, Ontario

(Expected) 2022

- Achieved Western Scholarship of Distinction.
- Completed Data Structures and Algorithms course, achieving a grade of 82%.
- Competed in Hack Western in 2017 and 2018.

## PROJECTS

### Digital Dictionary

2018

- Created a ordered digital dictionary to store various file types using custom implementation of a binary search tree data structure. The dictionary includes various query operations to retrieve saved records. **(Java, Binary Search Tree)**

### Bus Route Finder

2018

- Created a Java applet to using graphs and nodes to find a bus route for from point a to point b traveling the least distance. **(Java, Graphs)**

### Tic Tac Toe Game

2018

- Developed a tic tac toe game in Java to play against the user, using a tree of hash tables the computer would explore all scenarios and make the best play. **(Java, Hash Tables)**

### File Compressor/ Decompressor

2017

- Using binary trees and Huffman compression algorithm this java program could compress basic text files reducing their size significantly and decompress them back into their original state. **(Java, Binary Trees)**

### Personal Website

2019

- Using HTML boilerplate and CSS and JavaScript to create my personal portfolio/website to showcase my projects and abilities. **(HTML, JavaScript, CSS)**

### Linux File Manager

2019

- Implemented a File Manager system as well as develop utilities for the File Manager system in C++ for Debian based systems such as raspberry pi's. **(C++, Debian/Linux, Raspberry Pi)**

### Weather Prediction App

2017

- Designed and developed a weather app to predict precipitation in a chosen region using Python Flask and Weather Networks API at Hack Western. **(Python (Flask)), Weather Network API)**

## WORK EXPERIENCE

**Analyst Assistant/Intern**, Cowan Insurance, Brantford, Ontario

January 2017 – June 2017

- Designed and implemented a VBA macro to automatically update experience reports resulting in reduced workload.
- Created and organized a database of high-profile clients to better manage client needs resulting in more satisfied clients.
- Reduced billing inaccuracies for clients by generating billing reports and double checking the accuracy using excel.

## TECHINICAL SKILLS

**Highly Skilled:** Java, Python, C, C++, VBA.

**Skilled:** ARM (Assembly), Linux/Bash. Git/GitHub.

**Learning:** MySQL, PHP, JavaScript, HTML, CSS, Android Development, Database Management.

## INTERESTS/HOBBIES

- Power Lifting, MMA, Rugby, Basketball, PC Building.