

Mian Rafay

Hamilton, ON

📞 647-917-2936 | ✉️ mianrafay101@gmail.com | 🌐 <https://github.com/MianR1> | <https://ca.linkedin.com/in/mianrafay> | <https://mianr1.github.io/>

Professional Summary

Aspiring software engineer intern with **75+ hours** of volunteering experience with the TDSB, proficiency in **optimizing, testing, debugging code** in various languages, and **practical SQL experience** through database courses, learning to create, optimize and modify databases.

Education

McMaster University

Hamilton, ON

Honours Bachelor of Applied Science in Computer Science (Co-op) - **CGPA: 3.80+**

Sept 2021 - Current

- **Recognized** on the Deans' Honour List for Academic Excellence

SATEC @ W.A. Porter Collegiate Institute

Toronto, ON

Ontario Secondary School Diploma (Specialized **STEM Program**)

Sept 2017 - June 2021

- Ontario Scholar recipient

Udemy

Remote

Web Development Certification

2020

Relevant Courses

- | | | | |
|------------------------------|----------------------------|------------------------------|----------------------------|
| • Data Structures Algorithms | • Functional Programming | • Computer Architecture | • Scientific Computing |
| • Databases (Relational) | • Software Design Patterns | • Engineering Mathematics I | • Concurrent Systems |
| • Linear Algebra | • Discrete Mathematics | • Engineering Mathematics II | • Statistics (Probability) |

Skills

Programming Python, C, C#, C++, Java, HTML, CSS, SQL, Haskell, Elm

Technologies Microsoft Applications, GitHub, Visual Studio, PyCharm, IntelliJ, Linux/Unix, Multimedia Logic, AutoCAD, Arduino, MobaXterm, DBeaver, Labelled Transition System Analyser

Additional Teamwork, Problem-Solving, Time Management, Quick Learner, Standard First Aid + CPR Level C, G2 Driver's License

Experience

Hack The North

Remote

Contestant

2021

- Designed and presented a custom-made password encryption program done using C++
- Program Stores **encrypted passwords on an SQL database**

Ontario Tech University

Oshawa, ON

Contestant

2019

- The team leader of the robotics team and robotics competition finalist at the Ontario Tech University, competing against representatives present from schools throughout Toronto

Scarborough Association for Mathematics Education

Toronto, ON

Contestant

2017

- **Selected representative** to represent the school in the Scarborough Math Olympics Contest after **achieving the highest grade throughout the school** on the 2017 Waterloo Math Test

Projects

Personal Website

HTML, CSS, JavaScript

- Personal website designed with eye-catching framework including all things in one's portfolio to show to a company's hiring manager

Connect 4

Java

- Implementation of connect 4 with incorporated artificial intelligence run by algorithms to decide the best possible move increasing chances of winning, uses of encapsulation, inheritance, and abstraction within relevant classes

Matrix Calculator

C++

- Computes addition, subtraction, and multiplication with different order matrices specified by the user
- Uses 2d arrays and distinct algorithms taught in linear algebra courses to go about each operation