

# ASSER ISMAIL

Mississauga, Ontario | Software Engineer

(647)-529-1575 | [asserice@gmail.com](mailto:asserice@gmail.com) | [Website](#) | [LinkedIn](#) | [GitHub](#)

## PROFILE

- A 3rd-year student @ University of Toronto, Computer Science Specialist Program
- Member of University of Toronto Dean's List Scholar for last 2 years with CGPA: 3.51
- Practical experience in designing projects at the University of Toronto
- A meticulous planner and enthusiastic worker ready to contribute and help with the team's success

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, JavaScript, TypeScript, SQL, C, Shell and Assembly
- **Technologies/Frameworks:** MongoDB, Linux, Flask, DigitalOcean, GitHub and ReactJS

## PROFESSIONAL EXPERIENCE

**Full Stack Developer, UofT Software Engineering, UNIVERSITY OF TORONTO** Sep. 2022 – Present

- Designing and developing projects that involved exploring new languages and frameworks in a team
- Building a website with a team with the use of Flask, React and MongoDB with the help of GitHub and JetBrains IDE
- Encouraging fellows to learn/improve with new frameworks and work collaboratively on an Agile scrum team

**Developer, Website for UofT Software Engineering (Project), UNIVERSITY OF TORONTO** Apr. 2023

- Worked at UofT as a Full Stack Developer at USEC, received tasks, managed team's Notion and complied to Agile sprints
- Helped to design database models for a club's member, event, and authentication
- Used MongoDB as the database system and set a continuous deployment web app on a Linux server using DigitalOcean
- Designed and tested the programming using Flask, ReactJS, TypeScript, Python, MongoDB, DigitalOcean and ChakraUI

**Developer, Crewise (Project), UofTHACKS.X** Jan. 2023

- Developed a Crew Management System web application that has continuous deployment within 36 hours
- Implemented report system and weekly health checkup feature, with secure data storage and hosting of the website
- Created role-based frontend pages for a crew member, a doctor page and an admins page
- Designed and tested the programming using MongoDB, DigitalOcean, Flask, ReactJS, TypeScript, Python and ChakraUI

**Developer, Remixed UNO (Project), UNIVERSITY OF TORONTO** Dec. 2022

- Worked at UofT to implement a remixed version of UNO with a team of 4 in a week
- Organized team with Agile methodology and SOLID principles and actively participate in all Agile ceremonies
- Applying functionality of UNO by concentrating on specific Structural, Creational and Behaviour design pattern
- Designed and tested the programming using Java as the backend and JavaFx as the frontend

**Developer, Zip & UnZip (Project), UNIVERSITY OF TORONTO** Apr. 2022

- Worked at UofT to create a balanced Huffman Tree based on an automatically generated frequency dictionary of the file
- Decompress and compress a picture, audio and text using Huffman Tree
- Creates a compressed file using the Huffman Tree and can then be decompressed back to the original file
- Designed and tested the programming using Python and Huffman Tree structure

## EDUCATION

**University of Toronto | Computer Science Specialist** Sep. 2021 – Present

**Target Degree:** Honours Bachelor of Science (HBSoc) + PEY Co-op | 3rd Year Student | CGPA: 3.51

**Completed Courses:**

- Data Structures and Analysis
- Software Tools and System Programming (C, Shell)
- Fundamentals of Computer Programming (Python, C, Java, TypeScript)
- Fundamentals of OOP (Java, Python)
- Computer Organization (C, Assembly)

## CERTIFICATES & HONORS

2022	Dean's List Scholar, Maintained 3.50+ CGPA throughout the academic year	UNIVERSITY OF TORONTO
2020	Full Stack Developer Certificate, Learned to develop modern web apps that businesses use	UDACITY
2020	Front End Developer Certificate, Learned to build high-quality websites and dynamic applications	UDACITY
2019	MVP Award, Most Valuable Swimmer Award at High School	Stephen Lewis SS