ASSER ISMAIL

Mississauga, Ontario | Software Engineer

(647)-529-1575 | 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, 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 use of GitHub and JetBrains IDE
- Encouraging fellows to learn/improve with most tools, like GitHub, JetBrains IDEs and FrontEnd/BackEnd languages
- Work collaboratively on an Agile scrum team and actively participate in all Agile ceremonies
- Work with a scrum team to deliver working software frequently
- Mentor/coach new and existing peers on new technologies
- Produce high-quality, testable, secure, scalable, and performant code
- Reflexively using SCM, weekly check-ins, configurations, and documentation

Full Stack Developer, 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 maintained a secure connection between the back end and front end
- Developed a continuous deployment web application on a Linux server using DigitalOcean
- Designed, tuned, tested and debug database systems, including the design and development of procedures
- Designed and tested the programming using Flask, ReactJS, TypeScript, Python, MongoDB, DigitalOcean and ChakraUI

Developer, UOFTHACKSX   *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
- Utilized test-driven, paired programming and continuous integration development methods
- Assist with project planning, design/UI reviews, system testing, and deliverables
- Designed and tested the programming using MongoDB, DigitalOcean, Flask, ReactJS, TypeScript, Python and ChakraUI

Developer, 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
- Work collaboratively on an Agile scrum team and actively participate in all Agile ceremonies
- Assist with project planning, design/UI reviews, system testing, and deliverables
- Utilized test-driven, paired programming and continuous integration methods
- Proactively monitor systems for performance and capacity and make recommendations for improvement
- Appling 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, 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
- Produce high-quality, testable, secure, scalable, and performant code in efficient runtime
- 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 (HBSc) + 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

2023	**Microsoft Certified: Azure Fundamentals,** Cloud concepts in networking and Azure in particular	**Microsoft**
2022	**Dean's List Scholar,** Maintained 3.50+ CGPA throughout the academic year	**UNIVERSITY OF TORONTO**
2021	**Entrance Scholarship,** By starting with a CGPA of 4.0 upon entering the first 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,** Learn to build high-quality websites and dynamic applications	**UDACITY**
2019	**MVP Award,** Most Valuable Swimmer Award at High School	**Stephen Lewis SS**