

Tasmiha Hassan

Software Engineering Student Level III

A passionate, dedicated, and enthusiastic 3rd-year Software Engineering student who is eager to contribute unique solutions and learn along the way. Highly proficient in Java, C, Assembly, and Python. Able to comprehend new tasks quickly when demonstrated. Excellent mathematical ability, problem-solving skills, written and verbal communication skills.

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📍 Brampton

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🐙 github.com/tasmainian

WORK EXPERIENCE

Communications Assistant

McMaster University Department of Pediatrics

01/2019 – Present

Hamilton, Canada

Delivers programming for children and youth ages 7-14 in all areas of STEM

Achievements/Tasks

- Writing creative and original blog posts that keep the audience engaged with upcoming program events
- Brainstorming unique visual concepts through various forms of media such as websites, videos, and posters

Computing & Software Student Ambassador

McMaster University Department of CAS

10/2018 – Present

Hamilton, Canada

Achievements/Tasks

- Presenting information at on and off campus recruitment events
- Developing promotional materials to assist in recruitment activities for the department of Computing and Software

IT Helpdesk Specialist Co-op Student

Survalent

04/2018 – 08/2018

Brampton, Canada

Software company that sells SCADA technology for utility companies

Achievements/Tasks

- Presented over 50 live webinars to customers in utility companies across North America, and closed over 200 cases
- Prepared test environments and gained remote access to troubleshoot live SCADA systems
- Handled incoming calls and provided customers with solutions, documentation, software, and portal access
- Developed a strong understanding of SCADA software and automation, servers, and databases

EDUCATION

Bachelor of Software Engineering

McMaster University

2016 – 2021

Hamilton, Canada

Achievements

- Current enrolled in Software Engineering (Level 3)
- Awarded McMaster Entrance Scholarship for high marks in high school (90.5%)
- 8.4 on a 12.0 scale & 3.3 on a 4.0 scale Cumulative GPA (75%)

COURSES

3DB3: Databases

Relational Algebra, SQL, Database Design, Storage and Indexing

2C03: Data Structures and Algorithms

Basic Searching, Sorting, Graph and String Algorithms, Worst-Case Analysis, Elementary Data Structures

Web Developer Bootcamp - Udemy

Complete overview of frontend and backend web development

TECHNICAL SKILLS

Applications

Autodesk Inventor, SmartVU, ADMS Manager, Salesforce, Git

Microsoft Office

Word, PowerPoint, Publisher, Excel, Teams

Audio and Video

Cubase, Sony Vegas Pro, Protools

LANGUAGES

C

Intermediate

Python

Upper-intermediate

SQL

Upper-intermediate

Java

Upper-intermediate

Go

Beginner

HTML5, CSS3, JavaScript

Intermediate

SOFT SKILLS

- Strong organizational, written, and oral communication skills in English; also able to speak conversational French and Bengali
- Ability to come up with unique solutions; frequently chosen ideas pitched by me
- Effective time management skills; always able to meet deadlines and arrive on time

PROJECTS

FixIt

- A terminal based python application that automatically corrects incorrect terminal commands
- Provided complete documentation such as a Software Requirements Document, Module Guide, and Test Plan

Adoption

- A Java application that will use the local government dataset of animals in pet shelters to match a user to a pet that best suits them
- Uses searching, sorting, and graphing algorithms in implementation

Serves Up

- A website that finds menu items of nearby restaurants that abide by the users dietary restrictions
- Frontend used HTML5, CSS3, Bootstraps and ReactJS

AWARDS AND ACHIEVEMENTS

3rd Place in Programming Division of McMaster Engineering Competition

McMaster University - 2018

- Used Python and machine learning to create a predictive text-to-speech keyboard that allows a user with speech impairment to communicate with others