

# Tasmiha Hassan

## Software Engineer (Level 3)

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

🌐 [linkedin.com/in/thas](https://www.linkedin.com/in/thas)

🐙 [github.com/tasmainian](https://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
- Designing unique and eye-catching visual concepts through various mediums 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 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 (11/2018 – Present)

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, MongoDB

Upper-intermediate

Java

Upper-intermediate

HTML5 & CSS3

Expert

JavaScript

Intermediate

## TRANSFERRABLE 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 (09/2018 – 12/2018)

- A terminal based python application that automatically corrects incorrect terminal commands
- Supporting Software Requirements Document, Module Guide, Test Plan

Adoption (01/2018 – 04/2018)

- 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

Website Portfolio - [tasmainian.github.io](https://tasmainian.github.io) (2015)

- An online portfolio that highlights my skillsets and passions through videos, images, and documentation
- Experience with in HTML & CSS to design a concise and clean website

## AWARDS AND ACHIEVEMENTS

3rd Place in Programming Division of McMaster Engineering Competition (10/2018)

McMaster University

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