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Canada

## HASSAN HASSAN

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[hassanidea.github.io](https://hassanidea.github.io)

### EDUCATION

#### Bachelor of Engineering, Software, CO-OP OPTION

September 2017 - Present

##### Carleton University, Ottawa, ON

- Third Year Standing, CGPA – (9.1/12)
- Hamlin Bursary Awarded
- Expected Graduation Date – May 2022

### AVAILABILITY

Available for 12 months beginning January 2020

### APPLIED PROJECTS

#### (PERSONAL WEBSITE) [hassanidea.github.io](https://hassanidea.github.io) (Bootstrap, HTML, CSS, JQuery)

August 2019

- Designed a portfolio using Bootstrap with great User Interface

#### TICTACTOE Game (Python)

August 2019

- Built TICTACTOE Game using Java to make a game of any size (3\*3,4\*4...) in Microsoft Visual Studio

#### Code Player (HTML, CSS, JQuery)

July 2019

- Developed a website that outputs HTML, CSS and Javascript code

#### Understanding of Basic Architecture of ARM processor

February – April 2019

- Built the basic architecture of an ARM processor consisting of processor, RAM, Data Bus, ROM, ALU etc. and deploying assembly language instructions on the system.

#### Dictionary (Binary Search Tree, Java)

April 2019

- Developed a dictionary that adds, removes, searches for words in a binary search tree using Java

#### Connect Four Game (Java)

December 2018

- Developed an arcade version of the popular game Connect Four using Object-Oriented Java
- Implemented JavaFx to create Graphical User Interface resulting in great user interaction

### RELEVANT SKILLS

#### Technical Skills

- Proficient in multiple programming languages -Python, Java, C, C++, HTML, CSS, Javascript, JQuery, Bootstrap and Vivado (FPGA), as well as, using **GIT for version control**
- Created multiple projects implementing Object-Oriented design in Python and Java. Implemented interfaces, different classes to enable encapsulation in the Connect Four and tic-tac-toe games
- Created presentations, tables, charts, and other mathematical calculations using Microsoft Excel, Access, PowerPoint, and Word. To effectively present data for technical and non-technical audiences

#### Communication Skills

- Performed a presentation to explaining about OLED (Organic Light Emitting Diodes) Displays. Helped project supervisor to explore ideas on energy reduction in a group project
- Wrote a proposal to attain approval to proceed with research project on the implementation of reduced electricity usage at Carleton University. The project proposal was approved by the project supervisor (Lisa Meyer)
- Fluency in **English, Arabic, and intermediate French**

### INTERESTS, ACHIEVEMENTS

- Won medal for best chess player in my high school 2016
- Donate blood to Canadian blood services
- Giving speeches and singing on stage live are one of my favorite experiences