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Canada

## HASSAN HASSAN

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### EDUCATION

**Bachelor of Engineering, Software, CO-OP OPTION**  
**Carleton University, Ottawa, ON**

**September 2017 - Present**

- 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 (Bootstrap, HTML, CSS, JQuery)**

**August 2019**

- Designed a portfolio using Bootstrap with great User Interface

**Basic Architecture of ARM processor**

- 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.

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

**August 2019**

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

**Dictionary (Binary Search Tree)**

**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

**TICTACTOE Game (Java)**

**November 2018**

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

### RELEVANT SKILLS

#### Technical Skills

- Proficient in multiple programming languages -**Java, C, C++, HTML, CSS, Javascript, JQuery and Vivado (FPGA)**
- Developed decoders and multiplexers using Vivado to create modules. Gaining experience in FPGA development and understanding of assembly language
- 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
- 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**

### WORK EXPERIENCE

#### Technology Reseller

#### Self-employed

**December 2018 – April 2019**

- Used my marketing skills to sell phones, laptops to numerous customers. Developed my experience with social interaction and emotional intelligence to gain profit due to **hard work and quick learning ability**