

# KAREEM EL ASSAD

## Software Developer

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## PROJECTS

### Empower - Hack Western 2019

git.io/JeyjL | Python Flask, Azure, CSS, HTML, MongoDB

- Created a **full-stack web application** that allowed users to post ongoing and upcoming protests to the platform where the information would be stored on a **MongoDB database**.
- That data was placed as a pin on a map using **Google Maps API**. It allowed users to quickly find and identify rallies taking place in their area.

### DAISY - Tinder for Cats

git.io/JeaiN | HTML, CSS, Bootstrap

- Created the landing page using **HTML** and **CSS** of a fictional dating app for cat owners to help their pets find soulmates.
- The website replicated the user-friendly design of the popular mobile app Tinder as well as it's simplistic colors.

### Assignment Sorter - cuHacking 2019

git.io/Jeaib | Python, Tkinter Library

- Created an Assignment Sorter using **Python** that was capable of taking in various files and keywords from the user and then organizing them in different folders at a given directory.
- The program prompted the user with a **Graphical User Interface (GUI)** which allowed them to input several keywords. Those keywords are then used to **parse** and **sort** a set of files assigned by the user.

## WORK EXPERIENCE

### Technical Inspector

Measurement Canada

September 2019 – January 2020

Ottawa, Ontario

- Examined the electrical lab with the Lab Manager to ensure that it met safety standards.
- Identified workplace hazards in the Voltage Transformer Test Unit and worked alongside the engineers to find a practical yet effective solution.
- Researched Canadian Standard Work and Health Safety regulations to ensure the database was up to date.

## EDUCATION

### Bachelor of Engineering, Computer Systems Engineering

Carleton University

Expected Graduation April 2023

Available for 4 months beginning April 2020

## SUMMARY

- Independent and organized Computer Engineering student with a passion for open-source development and public service.
- Gained strong communication and leadership skills through volunteering in my community during my personal time.

## COURSEWORK

- Object Oriented Software Development [Java, C++] (SYSC2004, ECOR1606)
- Imperative Programming [C, Golang] (SYSC2006)
- Algorithms and Data Structures [Java] (SYSC2100)
- Digital Systems (SYSC2310)
- Computer Organization and Architecture (SYSC2320)

## VOLUNTEERING

- Web Developer (IEEE Ottawa Section) [2019-2020]
- External Director (IEEE Carleton) [2019-2020]
- Logistics Lead (IEEE Student Professional Awareness Conference) [2019-2020]
- Eng-Frosh Facil [2019]

## SKILLS

### Programming

C, C++, Java, Python, Golang, Shell, Racket

### Web Technologies

JavaScript, Node.js, Express.js, REST, HTML, CSS, SASS

### Development

MongoDB, SQL, Linux, Agile, Git, Embedded Systems, Automated Testing