

# KAREEM EL ASSAD

SOFTWARE DEVELOPER



## EDUCATION

09/2018  
|  
Current

- **Bachelor of Engineering, Computer Systems Engineering**  
Carleton University, Expected Graduation April 2023  
**Available for 4 months beginning April 2020.**



## PROJECTS

12/2019

- **Empower - Hack Western 2019** | Python Flask, Azure, CSS, HTML, MongoDB  
Group Leader, [git.io/JeyjL](https://git.io/JeyjL)
  - 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 **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.

07/2019  
|  
10/2019

- **DAISY - Tinder for Cats** | Bootstrap Library, HTML, CSS  
Personal Project, [git.io/JeaiN](https://git.io/JeaiN)
  - 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

02/2019

- **Assignment Sorter - cuHacking 2019** | Python, Tkinter Library  
Group Leader, [git.io/JeaiB](https://git.io/JeaiB)
  - 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

09/2019  
|  
01/2020

- **Technical Inspector**  
Measurement Canada
  - 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.

06/2017  
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09/2018

- **Sales Associate**  
American Eagle Outfitters
  - Worked in a high-intensity team-based retail environment where I gained valuable work experience as a sales associate and became an active team member in the workplace.



## VOLUNTEERING

05/2019  
|  
present

- **Web Developer**  
IEEE, Ottawa Section Branch; [tinyurl.com/m75sgzv](https://tinyurl.com/m75sgzv)
  - Maintained the Ottawa IEEE Lunch and Learn website, including content updates, account administration, debugging, feature enhancements, documentation, testing, deployment, and regular updates to the system and user usability.

06/2019  
|  
present

- **External Director**  
IEEE, Carleton Student Branch
  - Organized and Lead a GitHub workshop that taught beginners about the Git workflow, necessary commands, and how companies use Git to maximize efficiency.
  - Composed multiple emails to multiple technology-based companies in the Ottawa area inquiring about possible to collaborate on workshops and industry tours.

08/2019  
|  
present

- **Logistics Lead**  
IEEE SPAC, Student Professional Awareness Conference
  - Coordinated a joint-university networking dinner with professionals in the engineering domain.
  - The responsibilities included locating the venue, planning the itinerary, seeking out patron accommodation, and managing a group of volunteers.

## 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.

## CONTACT INFO

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 (613) 807-0656

## PORTFOLIO

[kareemelassad.me](https://kareemelassad.me)  
 [github.com/kareemassad](https://github.com/kareemassad)

## SKILLS

### Programming

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

### Web Technologies

JavaScript, Node.js, Express, RESTful APIs, Angular, HTML, CSS, SASS

### Development

Data Structures, Algorithms, MongoDB, SQL, Linux, Agile, Git, Embedded Systems, Automated Testing

## INTERESTS

Machine Learning  
 Big Data  
 Traveling  
 Tea  
 Archery