

# KAREEM EL ASSAD

SOFTWARE DEVELOPER



## EDUCATION

- 09/2018  
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Current
- **Bachelor of Engineering, Computer Systems Engineering**  
Carleton University, Expected Graduation April 2023  
Available for 4 months beginning April 2020. 📍 Ottawa, Canada



## 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 dynamic 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 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 its simplistic colours.
- 02/2019
- **Assignment Sorter - cuHacking 2019** | Python, Tkinter Library  
Group Leader, [git.io/JeaiB](https://git.io/JeaiB)
    - Created an Assignment Sorter 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.
- 05/2019  
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06/2019
- **Smart Mirror** | JavaScript, CSS, Shell, Raspberry-Pi  
Group Leader, [git.io/JeaiA](https://git.io/JeaiA)
    - Created a Smart Mirror that used **real-time API's** to display information including the weather, a friendly remark, the time, and a personal calendar.
    - The monitor was covered in a one-way mirror film which gave the a mirror-like effect while still allowing the user to read the information displayed.



## WORK EXPERIENCE

- 09/2019  
|  
01/2020
- **Technical Inspector**  
Measurement Canada 📍 Ottawa, 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 📍 Ottawa, Canada
    - 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) 📍 (remote)
    - 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.
    - Deployed the website using FileZilla, a cross-platform file transfer protocol (FTP) application which allowed for file manipulation operations.
- 06/2019  
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present
- **External Director**  
IEEE, Carleton Student Branch 📍 Ottawa, Canada
    - 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 📍 Ottawa, Canada
    - 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

JavaScript, Node.js, Express, C, C++, Java, HTML, CSS, Python, Shell, Linux

### Development

Data Structures, Algorithms, RESTful API, SQL and Non-SQL Databases, Agile, Git, Embedded Systems, Android, Automated Testing

## INTERESTS

Machine Learning  
 Big Data  
 Traveling  
 Tea  
 Archery

*This résumé was wholly typeset with  
HTML/CSS — see [git.io/JeaXc](https://git.io/JeaXc)*