

# MOHAMED OMER

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## EDUCATION

### Carleton University

BSc Computer Science, Minor in Statistics | Dean's List

Ottawa, ON

Sept. 2018 – May. 2022

## EXPERIENCE

### MicroFocus

Incoming Quality Engineering Intern

- Team: Quality Assurance

Ottawa, ON (Remote)

Sept 2020 – Dec. 2020

### Carleton University: School of Computer Science

Teaching Assistant

- Mentored students in the basics of Object-Oriented Programming in **Java**
- Held weekly office hours and graded assignments/exams for 40+ students
- Collaborated with the professor to create effective lesson plans for the course

Ottawa, ON

Sep 2019 - Dec. 2019

## PROJECTS

### Charity Base [Node.js, React, Python]

June. 2020

- Built a Web-App that provides public information on the activities, locations and finances of the 74,000 charities registered in Canada
- Configured the website using **React** by listing all charities, and responds to the searches by aggregating the data in real-time for an interactive overview of the sector

### Restaurant Manager [Node.js, MongoDB, Pug, HTML/CSS]

March. 2020

- Designed a RESTful API in **Node.JS** to add session support to the application so that users may log in, place orders, and view a history of their orders
- Built a database to store user profile and order information for each restaurant using **MongoDB**
- Configured the Front-end with **Pug, HTML** and **CSS**

### Home Surveillance System [Python, Tensorflow, Jupyter, Twilio, Raspberry Pi]

June. 2019

- Deployed an Object-Detection program that runs on a **Raspberry-Pi** and notifies users of unrecognized personnel via sms using the **Twilio** library in **Python**
- Trained a **TensorFlow** model to detect known and unknown faces and implement the object detection application

### Activity Timer [Python, Pandas, JSON]

July. 2019

- Developed an application using **Python** that runs in the background and records (in real time) the time spent on a website/application by a user
- Implemented an output method that allows users to access their records in the form of a JSON file or as a graphic

## RELEVANT SKILLS

**Languages:** Python | C++ | C | Java | Javascript | SQL | HTML/CSS

**Frameworks/Technologies:** Django | Flask | NodeJS | React/Redux | SASS | MongoDB | Git | TensorFlow

## EXTRACURRICULAR/VOLUNTEER

### Open Source Contributor:

Bug Fixes | UI Implementations | Re-writing Documentation

### Al-Noor Center for Children with Special Needs:

Assisted students to perform tasks to develop their fine motor skills.

### High-School Sports Captain:

Organized team schedules and sporting events for the students.

## AWARDS

**Michael Oliver Scholarship:**

Jan. 2020

**President's Scholarship @CarletonU:**

Sept. 2018

**1st Place @ Heriot Watt:**

Feb. 2018

**2nd Place @ Middlesex Codejam:**

May. 2018

**Duke of Edinburgh Award:**

Nov. 2017

**3rd Place @ Microsoft Office Championship:**

Oct. 2017