

MOHAMED OMER

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EDUCATION

Carleton University

BSc Computer Science, Minor in Statistics | Dean's List | CGPA: 3.81/4.0

Ottawa, ON

Sept. 2018 – May. 2022

EXPERIENCE

Amazon (AWS)

Incoming Software Dev Engineer I Intern

Vancouver, BC

May 2021 - Aug. 2021

MicroFocus

Software Engineering Intern (8-month co-op)

Ottawa, ON (Remote)

Sep 2020 - May. 2021

- Automated redundant test cases using **Java** to reduce build and release pipeline times by **25x**
- Designed and Implemented over 8 different components for the dashboard's UI using **ReactJS** and **TypeScript**
- Worked with the Cloud team to automate the API test cases, increasing the CI pipeline flow from **62% to 87%**
- Modified existing API tests to run them in a sanity and regression test suite against cloud

Carleton University: School of Computer Science

Teaching Assistant

Ottawa, ON

Sep 2019 - Dec. 2019

- 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

PROJECTS

Charity Base [Node.js, React]

June. 2020

- Built an application that provides the public information on the activities, locations, and finances of over **74,000+** charities registered in Canada
- Developed an interactive **React** front-end to aggregate real-time charity data

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

March. 2020

- Designed a RESTful API in **Node.js** for authorization, order placement, and history tracking
- 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 to notify users of unrecognized personnel using a **Raspberry-Pi** and Python's **Twilio API**
- Trained a **TensorFlow R-CNN** model to detect known and unknown faces and implement the object detection application

RELEVANT SKILLS

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

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

EXTRACURRICULAR/VOLUNTEER

Carleton Computer Science Society: Organized team schedules and events for the students.

Open Source Contributor (Github Link): 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.

AWARDS/CONFERENCES

Top 5 @ RBC Amplify Hackathon: Oct. 2020 **Canadian Undergraduate Tech Conference:** July. 2020

Michael Oliver Scholarship: Jan. 2020 **President's Scholarship @ CarletonU:** Sept. 2018

1st Place @ Heriot-Watt Hackathon: Feb. 2018 **2nd Place @ Middlesex Codejam:** May. 2018