

## WORK EXPERIENCE

### Software Developer & Researcher Macadamian/NSERC

02/2018 – Present Ottawa, ON, Canada

Joint project between the Sensor Systems and IoT Lab and Macadamian, funded by NSERC.

#### Achievements/Tasks

- Development of a "Diabetes Coach"; a system that helps improve the lives of type 2 diabetes patients. The project involves the use of AI techniques as well as the development of an efficient and reliable system architecture to host the data analytics involved, as well as integrating it with the Macadamian Hive platform.

### Research Assistant Sensor Systems & IoT Lab @ Carleton University

05/2017 – Present Ottawa, ON, Canada

The Sensor Systems and Internet of Things Lab is a central hub for innovative research in topics ranging from Smart Grid Systems to Energy Harvesting.

#### Achievements/Tasks

- R&D of machine learning algorithms for engineering applications
- Worked with feed-forward & recurrent neural networks, anomaly detection, digital signal processing, wireless sensor communications, real time embedded systems, sensors, autonomous systems

### Vigor Enterprise Office Administrator Intern

04/2015 – 08/2015 Ottawa, ON, Canada

#### Achievements/Tasks

- Took care of administrative tasks and such as company meetings and client presentations
- Helped organize seminar given by Lee Cockerell, former Executive Vice President of Operations for the Walt Disney World® Resort
- Helped organize Wayans Brothers Comedy Show Event

## EDUCATION

### Bachelor of Science, Computer Science, BCS Carleton University, 4th Year Standing

09/2015 – Present Ottawa, ON, Canada

#### Relevant Courses

- OOP
- Data Structures & Algorithms
- Software Engineering
- Calculus (I, II, III & IV)
- Fluid Dynamics
- Signals & Systems (DSP)
- Systems Programming
- Web Development
- Discrete Structures
- Linear Algebra

## SKILLS

Swift Python Java PHP C  
C++ HTML/CSS/JS MATLAB SQL

## PROJECTS

### Gif-t (06/2017 – Present)

- Full social network iOS app using the Parse Baas API using a variation of the MVC Architecture
- Users can follow each other, comment and/or like each other's photos/videos as well report them.
- Implemented search functionality to search for other users
- Deployed to Heroku

### PSAC Website (02/2018 – 04/2018)

- Developing a full-scale website for the Carleton University Postdoctoral Union (CUPU)
- Using PHP's Laravel to develop and AWS to host
- Dashboard for developer-independent editing
- www.psac77000.ca

### Join-fy (01/2018 – 01/2018)

- A simple joiner built with Python w/ Pandas at its core

### Personal Website (06/2017 – 07/2017)

- Simple front-end website

## AVAILABILITY

4 Months (September - December)

## LANGUAGES

English



Arabic



## FRAMEWORKS, TOOLS AND METHODOLOGIES

Firebase Parse TensorFlow  
Scikit-Learn Xamarin Interest  
MySQL Node.JS React Native  
Laravel SSH MongoDB IBM Bluemix  
MVC Heroku UML  
Agile Development XCode