

TAMER SHERIF

✉ tsher024@uottawa.ca | ☎ 613-600-8995

SKILLS

Languages:

Python, Java, JavaScript,
Ruby, C++

Technologies:

React JS, Angular JS,
Node JS, Caffe, FLask,
OpenCV, Matplotlib

LEADERSHIP

IBM Extreme Blue Team
Lead
MAY 2018 - AUG 2018

IEEE uOttawa Executive
Webmaster
2017 - 2018

Hack The North IBM
Honourable Mention
SEP 2017

LINKS

 tamersherif.com

 Tamer Sherif

 TamerSherif

EDUCATION

BASc in Computer Engineering (CO-OP)

University of Ottawa
Expected Graduation: APR 2019
CGPA: 3.7

Achievements:

Nortel Networks Scholarship
2014 - Present
Dean's Honour List
2016

EXPERIENCE



IBM | Machine Learning & IoT Engineer (Intern)

MAY 2018 - AUG 2018 & SEP 2017 - DEC 2017 | **Toronto**

- Single handedly designed and developed the pipeline for a video and image analysis web app used to detect different vehicle types. Used SSD300 neural net architecture (ReactJS, NodeJS, Caffe, Python, Flask, OpenCV, Matplotlib)
- Wrote scripts to automate and optimize the machine learning (ML) model's dataset handling, training and testing (Python, Caffe, OpenCV)
- Designed a POC dashboard for tracking and displaying truck information (truck temperature, location and time) from an embedded system (AngularJS, ChartJS, NodeJS, Python)



BlackBerry | Software Engineer (Intern)

JAN 2017 - APR 2017 | **Waterloo**

- Debugged enterprise databases integrated with BlackBerry's cloud (MS SQL, Ruby on Rails)
- Performed testing, and fixed backend bugs all while optimizing BES management console interface (Ruby on Rails, AngularJS)
- Developed a plugin using Google's APIs to improve productivity for support services (JS)



SSC | Cyber Security Engineer (Intern)

MAY 2016 - AUG 2016 | **Ottawa**

- Configured appliances including FortiGate and Cisco ASA firewalls, HPE ArcSight and IBM QRadar SIEMS, HP Edge and Juniper switches in government data centers (Linux RedHat)
- Authored and compiled the Canadian government's FortiNet FortiGate firewall build book, which covered every important aspect of the FortiGate firewall (HA, VPN, SNMP, etc.)

PROJECTS

LilyBot MD (Hack the North)

Classification model to detect diabetic retinopathy from retinal images scans, integrated with MS Bot (IBM Watson API, Python)

TSFiddle

Developed a code processor (inspired by JSfiddle) that can run HTML, CSS and JavaScript and display the resulting page

Broadband Antireflection Coating

Designed the most effective and efficient solar cell for optimal power production using MATLAB successfully