

Tamer Sherif

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SKILLS

LANGUAGES

Python, Java, JavaScript, Ruby, C++

TECHNOLOGIES

ReactJS, AngularJS, NodeJS, Caffe, Flask, OpenCV, Matplotlib

LEADERSHIP

INVOLVEMENT

IBM FUTURE BLUE TEAM LEAD

📅 May 2018 - Aug 2018

IEEE EXECUTIVE WEB DEVELOPER

📅 2017 - 2018

COMPETITIONS

HACK THE 6IX

Sponsor Prize Winner, 2018

IBM HACKATHON

BYOT Category Winner, 2018

AGE-WELL NATIONAL IMPACT CHALLENGE

Top 8 Finalists Stage, Ongoing

HACK THE NORTH

IBM Honourable Mention, 2017

LINKS

👤 PERSONAL WEBSITE

in LINKEDIN

🐙 GITHUB

EDUCATION

UNIVERSITY OF OTTAWA

BASC IN COMPUTER ENGINEERING

EXPECTED GRAD: DEC 2019

CGPA: 3.7/4, COOP

Deans Honor List, 2016

Nortel Scholarship, 2014 - Present

INTERESTS

HACKATHONS

COMMUNITY INVOLVEMENT

SOCCER & TRAVELLING

EXPERIENCE

IBM WATSON | DEEP LEARNING & FULL STACK ENGINEER (INTERN)

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

- Designed an API to receive live surveillance streams from a PI camera in order to run object detection and segmentation on the stream using Mask RCNN (Python, Flask, React)
- 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 data-set 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)
- 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

VISION-A-EYE, HACK THE 6IX | BACKEND DEVELOPER 🐙

📅 2018 | Toronto

Developed an application to help the visually impaired by using speech to describe surroundings and read text. (Tensorflow, Google Assistant, Google Cloud Vision API, AWS EC2)

AUGRES, IBM HACKATHON | BACKEND DEVELOPER 🐙

📅 2018 | Toronto

Developed an intuitive reservation system using ARKit. Worked on the Google maps API integration with the Swift based AR app. Integrated cloudantDB with the application. (Google Maps API, Swift, CloudantDB)

LILYBOT MD, HACK THE NORTH | SOFTWARE DEVELOPER 🐙

📅 2017 | Waterloo

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