Tamer Sherif

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SKILLS

LANGUAGES
Python, Java, JavaScript, C++, 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
Second Place Winner, 2018

Hack the North
IBM Honourable Mention, 2017

LINKS

Personal Website
LinkedIn
GitHub

EDUCATION

UNIVERSITY OF OTTAWA
BASc in Computer Engineering
Expected Grad: Apr 2020

CGPA: 3.75/4, COOP
Deans Honor List, 2016 - Present
Nortel Scholarship, 2014 - Present

INTERESTS

Hackathons
Community Involvement
Soccer & Travelling

EXPERIENCE

MICROSOFT | Software Engineer (Intern)
MAY 2019 - AUG 2019 | Seattle

- Designed and built first AHLK (Azure Hardware Lab Kit) prototype by migrating Windows Hardware Lab Kit onto Azure and redesigned the end to end pipeline to support the migration (C#, Python, Azure VNet, Azure VMs)
- AHLK saves no less than 10 minutes per instance of on-board time per client
- AHLK is a new service on Azure thrusting the team and its work onto the cloud

SHOPIFY | Data Engineer (Intern)
JAN 2019 - APR 2019 | Ottawa

- Worked hand in hand with the team to brainstorm and build the foundation and first iteration of a new data modelling tool (to be used by data scientists)
- Spearheaded end to end design and implementation of a new lossless data stream type and its respective operations, improving data uniformity for data scientists (Python, HDFS, PySpark, GCS, Mode, Hue)
- Designed and developed all aggregation and simple join operations for all data stream types for the newly built data modelling tool (Python, PySpark, GCS)

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
- 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)
- Designed a POC dashboard for tracking and displaying truck information (truck temperature, location and time) from a 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 (AngularJS)
- Developed a plugin using Google's APIs to improve support productivity (JS)

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)

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)