Tamer Sherif

tamer.sherifs@gmail.com | 206-321-8959 | Seattle, WA

SKILLS

LANGUAGES
Go, Python, Java, C++, C

TECHNOLOGIES
PySpark, Kafka, Caffe, Flask, OpenCV, Matplotlib

LEADERSHIP

INVOLVEMENT
Azure Storage Hackathon Judge
May 2020

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

LINKS

Personal Website
LinkedIn
Personal GitHub
Microsoft GitHub

EDUCATION

UNIVERSITY OF OTTAWA
BASc in Computer Engineering (CO-OP)
2014-2020

CGPA: 3.8/4
Magna Cum Laude
Deans Honor List, 2016 - 2020
Nortel Scholarship, 2014 - 2020

INTERESTS

Ask me about Japan & soccer ☺

EXPERIENCE

MICROSOFT - AZURE STORAGE | Software Engineer
AUG 2020 - PRESENT | Seattle

- Azure Storage Python SDK code owner
- Spearheaded multiple SDK releases and all their features, each release with millions of downloads (Python)
- Developing a new Azure Storage FUSE (Filesystem in Userspace) optimized for heavy ML workloads (Golang)
- Designing and building streaming functionality in the new FUSE solution to enable users to efficiently read large files/blobs saving them transaction costs and disk memory
- Filed a patent with Microsoft for the streaming component being designed
- Made Azure Storage RESTful API Specs public

SHOPIFY | Data Engineer (Intern)
JAN 2019 - APR 2019 & SEP 2019 - DEC 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)

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

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)