OMAR A. **GHALEB**

Data Science · Machine Learning

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Skills

Programming languages: Python, C#, Java, MongoDB, ASP.NET, SQL, XML, Swift.

Data Science & ML: NumPy, Pandas, Matplotlib, Tensorflow, Keras, scikit-learn.

Dev Tools & Cloud: Google Cloud Platform(GCP), Jupyter Notebook, Spark, AWS, Git/Github, Docker, Kubernetes.

Personal Skills: Communication, Time Management, Team player, Self-learner, Self-motivation, Work Under Pressure.

Education

Carleton University — *Ottawa, Canada*

Masters in Computer Science — *Sept. 2016 - August 2018*

- **Thesis:** Novel Solutions and Applications to Elevator-like Problems
- **Coursework:** Learning Automata in Random Environment, Data Representation Learning, Statistical and Syntactical Pattern Recognition, Advanced Algorithms, Mining Software Repositories
- **GPA:** 11/12

KFUPM(King Fahd University of Petroleum and Minerals) — *Dhahran, KSA*

B.S. in Information & Computer Science — *Jan. 2011 - May 2015*

- **GPA:** 3.6/4
- Second Honor Standing

Experience

Ceridian — *Ottawa, Canada*

Implementation Consultant — *Jan. 2019 - Present*

- Documented and validated customer's business requirements and mapped them to Ceridian functionality
- Conducted consulting sessions with clients on Dayforce best practices
- Configured Ceridian application to meet customer's documented business requirements
- Managed and maintained clients data using SQL and XML

Carleton University — *Ottawa, Canada*

Teaching Assistant — *Jan. 2018 - April 2018*

- Tutored students in AI course on how to implement AI concepts efficiently.
- Managed course assignments, projects and exams (setting up and grading).

RemalVentures — *Dammam, Saudi Arabia*

Software & Game Developer — *Dec. 2015 - July 2016*

- Implemented a fully functional in-app store for a card game called Kammelna using Unity3D.
- Managed the process of app publishing in Apple & Android app stores.
- Mentored coop students during their training.

ELM Company — *Riyadh, Saudi Arabia*

Co-op — *Jun. 2014 - Jan. 2015*

- Launched a full website with user management system using ASP.NET, C#, CSS (https://holom.elm.sa).
- Coded a functional prototype of an iOS event manager app using Swift.
- Developed a web mail client that uses mail merge concept using ASP.NET.
- Implemented fixes to existing RESTful web services.

Projects

Publications

2019 O. Ghaleb and B. J. Oommen *"Learning Automata-based Solutions for the Single Elevator Problem"* *Published*

2019 O. Ghaleb and B. J. Oommen *"Learning Automata-based Solutions for the Multi-Elevator Problem"* *Published*

2019 O. Ghaleb and B. J. Oommen *"On Solving Single Elevator-like Problems Using a Learning Automata-based Paradigm"* *Submitted*

University Projects

2018 **Glass types classification System** A Pattern Classification System for Glass types using 4 different types of classifiers (Quadratic, K-NN, Fisher's Discriminate, Ho-kashyap). *Carleton University*

2017 **MSR Analysis of Most-Used Commands** Mining Software Repositories Challenge that is focused on mining the data of users of IDEs to investigate the behaviour and how different users use IDEs. *Carleton University*

2017 **Sentiment Analysis and Topic Mining for Categorization of App Reviews** Proposed a tool that can classify and categorize app reviews using clustering techniques and using sentiment analysis to extract topics for the reviews. *Carleton University*

2016 **Poker Hand Strength Classification** A classification system using Neural Network to classify the poker hand strength. *Carleton University*

Udacity Deep Learning Foundation Nano-degree

2017 **Bike Rides Prediction** Using Neural Networks to predict the daily bike rentals. *Udacity*

2017 **Image Classification using Convolutional Neural Networks** Created and trained CNN to classify images from the CIFAR-10 dataset using Tensorflow. *Udacity*

2017 **Generating TV scripts using Recurrent Neural Networks** Created and trained an RNN model to generate TV scripts for Simpson TV Show. *Udacity*

2017 **Language Translation Using RNN** Generated an English to French translation RNN model using seq2seq. *Udacity*

2017 **Generating faces using GAN** Trained a model to generate celebrity faces using General Adversarial Networks (GAN). *Udacity*

Interests

Academia: Data Science, Deep Learning, Machine Learning, AI, Learning Automata

Sports: Swimming (Medalist), Soccer, Basketball, Volleyball, Jogging

Other: Hiking, Scuba Diving, Rock Climbing, BBQ, Reading, Playing Piano