

# OMAR A. GHALEB

Software Engineer · Machine Learning

1525 Alta Vista Dr, Apt. 814, Ottawa, Ontario, K1G 0G1, Canada

☎ (+1) 613-682-2666 | ✉ omaramin.1992@gmail.com | 📱 omaramin1992 | 🌐 omarghaleb

## Skills

**Programming languages:** Python, C#, Java, MongoDB, ASP.NET, SQL, HTML, CSS, JSON, Swift, LaTeX.

**Frameworks:** Anaconda, Jupyter Notebook, Tensorflow, Numpy, scikit-learn, Pandas, Matplotlib, AWS, Git/Github.

**Personal Skills:** 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

### Carleton University

Ottawa, Canada

Teaching Assistant

Jan. 2018 - April 2018

- Tutor and coach students in undergraduate AI course.
- Set-up and grade course assignments, projects and exams.

### 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

Intern Developer

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

### Publications

- |      |  |                 |
|------|--|-----------------|
| 2018 | O. Ghaleb and B. J. Oommen "Learning Automata-based Solutions for the Single Elevator Problem" | To be Submitted |
| 2018 | O. Ghaleb and B. J. Oommen "Learning Automata-based Solutions for the Multi-Elevator Problem"  | To be Submitted |

### Udacity Deep Learning Foundation Nano-degree

- |      |  |         |
|------|--|---------|
| 2017 | Predicting Bike Sharing Rides                            | Udacity |
| 2017 | Image Classification using Convolutional Neural Networks |         |
| 2017 | Generating TV scripts using Recurrent Neural Networks    |         |
| 2017 | Generating faces using CNN                               |         |

## University Projects

- 2018 Classification System for Glass types
- 2017 MSR Mining Challenge
- 2016 Poker Hand Classification Using Neural Networks

*Carleton University*

## Interests

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**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