Hamzeh Alzwairy

Main goal is to be a professor and developer in Artificial intelligence, developing both my academic and practical (coding) skills is equally important to me. Therefore, I am currently pursuing a M.S degree in Computer Science and Engineering at Michigan State University (under the sponsorship of Fulbright) while focusing most of my credits on AI courses. I want to also pursue a PhD degree but I want to work in the field practically as well either before or during that so I am open for any position related to AI, Deep Learning or Machine Learning development after my M.S degree or during it (part time).

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Work Experience

Software Developer
Kensoftware
06/2019 – 11/2019

Backend Developer
Australia Post Global
11/2019 – 6/2021 suite 208, Eastside King's Cross Station,London N1C 4AX

Education

Bachelor's degree in Computer Information Systems
University of Jordan

09/2015 – 05/2019

Information
- GPA 3.53

Masters's degree in Computer Science and Engineering
Michigan State University

09/2021 – present

Information
- Current GPA 3.50

Winter Entrepreneurship Course
SPARK, Kingdom of the Netherlands

Information
- Attendance was only allowed by top class students which were recommended by the heads of each department a student followed, the overall content and objective was to lead social and economic development of the country and learn how to build professional business models to enter local and global markets.

Machine Learning
Stanford University

Information
- The course aims to provide a strong background in Machine Learning algorithms and best practices, it covers supervised learning algorithms and unsupervised learning algorithms.
- It is available for free on Coursera.

Skills

Machine Learning | Deep Learning | Evolutionary Computing | Python | Problem solving | Azure Functions | Teaching | C# | Webscraping | Building Business Models | Logistics

Machine Learning Skills

Machine Learning & Deep Learning
Theoretical knowledge & hands on experience

- Supervised learning & unsupervised learning algorithms
- Basic knowledge with optimization algorithms : such as gradient descent, ADAM, stochastic gradient descent with momentum, RMSprop and batch normalization.
- Basic knowledge with Machine learning libraries : such as Tensorflow, Keras, OpenCV,Scikit-learn, Pickle, Pandas, Numpy and Matplotlib.
- Neural networks architectures.
- Transfer learning

Computer Vision
Theoretical knowledge & hands on experience

- Object detection : Yolov3 with DarkNet and faster region-based convoloutional neural networks
- Image similarity : Feature extraction from ResNet or MobileNet networks and cosine similarity metric
- Image classification : Using different neural networks architectures such as GoogleNet, ResNet , DenseNet and VGG 16
- 3D semantic segmentation : UNet architecture