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Top Skills

TensorFlow
Computer Vision
C++

Certifications

IELTS Test with overall score 7.5

Moaaz Abdulrahman

Deep Learning Engineer - Computer vision at Tahaluf Al Emarat
Technical Solutions تحالف الإمارات للحلول التقنية
Cairo

Summary

Decision making and problem solving have been always a big part of my personality. I feel like the problem is a challenge and I have to win that challenge. I found my passion in programming which all about finding a problem solution by writing an algorithm that a computer can understand.

I started by learning about embedded systems programming and after I skilled in that field I decided to expand my knowledge and learn about machine learning and computer vision. Python was my first choice for machine learning. In addition to that, I spent time learning OpenCv and Deep learning using TensorFlow and PyTorch to build Image Classification, Object detection and Object Tracking models.

Right now, I work as Computer Vision Engineer at RoboEye Tech company for AI and computer vision solution. There I was given the opportunity to work on Computer vision projects such as Optical Marking Recognition (OMR), Optical character recognition (OCR), Road lane detection, object detection, Image classification. In all of these projects I have depended on classical computer vision techniques along side with Deep learning algorithms using TensorFlow, PyTorch and OpenCV.

At the current time my interest goes towards learn more about Edge AI and its applications in the field of robotics and autonomous vehicles.

Skills: Python, C/C++, C#, TensorFlow, TensorFlow lite, Pytorch, OpenCV, Image processing, Neural Network, CNN, RNN, scikit-learn, Supervised learning (Classification, Regression, SVM), Unsupervised learning(Hierarchical clustering, K-means clustering, K-NN).

Experience

تعالف الإمارات للحلول
التقنية

Deep Learning Engineer - Computer vision

January 2021 - Present (1 year)

RoboEye Tech

Computer Vision Engineer

June 2019 - January 2021 (1 year 8 months)

Cairo, Egypt

- Implement the state-of-the art deep learning algorithms to solve Object detection, Image classification problems.
- Developed OCR application classifies English and Arabic digits and letters using Tensorflow to build CNN model in python achieving high precision and recall.
- Developed RoboMark OMR desktop application using classical computer vision techniques in C#. This application is currently used by number of Egyptian universities and institutions.
- Built object detection model implements YOLO v3 object detector to detects vehicles on streets.
- Built Road lane detection algorithm as part of aftermarket lane departure warning system.

EGYPTAIR

Engineer Intern

July 2019 - August 2019 (2 months)

Cairo

Education

Udacity

Computer Vision Nanodegree, Computer Programming · (2019 - 2020)