

Shams Eldin S. Hegab

Machine Learning Engineer | Alexandria, Egypt

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EDUCATION

Alexandria University
(Aug. 2020)

B.S. in Computer and Communication Engineering.
Concentration in Software Engineering.

EXPERIENCES

INNOVA STEM (Jan. 2020)
AI Instructor

Building and teaching an AI/Deep learning curriculum

PaxeraHealth
Deep Learning Intern (Aug 2019)

- Built CNN for CAD on lung x-rays classifying 12 classes
- Improved the AUC of the model by applying image filters.
- Applied image preprocessing and data cleansing for consistency

IT-Blocks (Jul. 2018)
Web Development Intern

Created employee management system using Java web services, JQuery & HTML/CSS

EZDK (Feb. 2019)
Web Development Intern

Designed and implemented SOA web services for employee management system

SELECTED PROJECTS

MRNET CNNs

- Built using TensorFlow layers the following: ResNet, VGG, MobileNet & Inception
- Trained on the MRNet dataset
- Used ImageNet weights and ensembled 9 models

DeftEval-T6 2019

Detected Definitions in documents using an RNN model

Lucas Kanade Tracker

Tracking a moving object throughout footage.

Image Stereo Matching

Matching left & right images using block matching & dynamic programming

Circus of plates

A java desktop game in which 10 design patterns were implemented

ACHIEVEMENTS

Rotaract (2016-2018)

International Service Director, Rotaract club of Alexandria West

Interact (2014-2015)

Founder & President, Interact club of Alexandria West

SKILLS

Languages

Python – C – Java – JavaScript – SQL

Technologies

TensorFlow – PyTorch – Keras – Scikit learn - Pandas

Tools & Concepts

Git – Linux – Agile – OOP