

BASSAM KHALIFA

TA candidate at Medical Research Institute, Alexandria University

@ Bassam.khalifa@alexu.edu.eg

+201022226895

EXPERIENCE

Computer Vision Research Assistant

Computer & Systems Engineering Depart.

📅 October 2018 – Present 📍 Alexandria University

- Developing an automatic seed generation system using apprenticeship learning & DQN to solve interactive segmentation problem of any image, whether medical or not. This is still work in progress.

Teacher Assistant Candidate

Biomedical Engineering Department

📅 September 2018 – present 📍 (MRI, Alexandria University)

- Tutoring postgraduate students in multiple of classes ranging from Bioinformatics to computer science topics.
- Establishing positive relationship with students, and using effective teaching styles, ensuring that they remain disciplined & reach their maximum potentials.

Software Developer

Egyptian Military Service

📅 2017 – September 2018 📍 Cairo, Egypt

- Designed & Developed an Inventory Management System for fast reporting on Electronic devices for the management board of the head of several Units.

Business Development Consultant & SaaS Engineer)

Smartera for Technological solutions

📅 2016 📍 Alexandria, Egypt

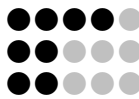
- I was held responsibility being the right hand of the operation manager.
- Implemented Oracle sales Cloud for CIB & credit Agricole Banks.

TECHNICAL SKILLS

Java, OOP, Data structures

python, TensorFlow, Keras, Google colab

c++, Numpy, SQL, PHP, Matlab



COMMUNITY INVOLVEMENT

- **AIESEC coordinator :**
 - I coordinated with AIESEC International to bring foreign teachers to Egyptian learning sector.
 - Negotiated with the learning sector their contract and their salaries.
- **Election seminar System Representative :**
 - I lead raising the social responsibility & awareness of the political rights for the Egyptians before the 1st Parliament elections in Egypt in 2012.
- **BBC Nuqtat Hewar Guest :**
 - I managed to discuss with Gaber Nassar, head of Cairo University, how can we change our Educational system to a better standard relative to what we have today.
- Participated in multiple of study groups during Bachelor's degree

EDUCATION

Department of Biomedical Engineering, Medical Research Institute

Master of Biomedical Image processing

📅 2018-present 📍 Alexandria University

Convolutional Neural Networks for Visual Recognition Course

Stanford University

📅 2018 📍 Online

Computer Vision Course

University of Illinois

📅 2018 📍 Online

Computer & Systems Department, Faculty of Engineering

Bachelor of Computer and systems Engineering.

📅 June-2016 📍 Alexandria University

- GPA : 3.3

Goetha Institute

B1 German test

📅 2014 📍 Alexandria

Alexandria International School

IGCSE Cambridge University

📅 2011

- Ranked the 2nd in my School

PROJECTS

Inventory Management system

- Changed the old paper work for Electronic Inventory in the head Unit of my military service that was responsible for 7 children units, to a fast reporting digital system.

Schema Matching System

- Developed in java semantic & syntactic matching on both element and structure level for RDB & XML, with a visualizer system to help experts assert the results seamlessly.

MiniBase

- Implemented in java buffer managers, B+ trees & heap files. Disk management systems are designed based on protocols like LRU & MRU.

JDBC & DBMS

- Developed in java a DBMS with back-end XML for record saving & Schema with a robust SQL processor.