

# Karim ElGhandour

Computer Science and Engineering Undergraduate

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## Objective

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- To Advance in the field of Artificial Intelligence and machine learning

## General Information

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- **Place and Date of Birth:** Alexandria, Egypt. 7/1/1997
- **Natioanlity:** Egyptian
- **Languages:** English and Arabic (Fluent), German (Basic)

## Education

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German University in Cairo <i>Cairo, Egypt</i>	<i>Computer Science and Engineering Undergraduate</i>	Fall 2015-Present
Riada International School <i>Alexandria, Egypt</i>	<i>IGCSE</i>	2000-2015

## Work Experience

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### Software Engineering Course - Scrum Master February - May 2018

*German University in Cairo, Egypt*

- Elected by my colleagues to manage the task division and workflow of 26 students
- Successfully created a fully functional website for a client using MEAN stack integrated with Elastic Search.
- Used Mocha and Chai for testing as well as using Git for collaborating.
- Setup a DigitalOcean server for the deployment of our demonstration.
- Created several documentations to help fellow students get started with MEAN stack as well as make UI modifications to their projects.

### eSpace for Software Development - Intern Summer 2017

*Alexandria, Egypt*

- Used deep learning to synthesize Arabic Handwriting from Arabic text using Google's Tensorflow and Python
- Successfully trained the neural network over a distributed system of laptops that sped up the training more than 4x.

## Competitions

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### Amazon Hackathon February 2018

*Cairo, Egypt*

- Won with my team 4th place out of the 46 teams who applied
- Created an Automated Online Oral Examination platform using machine learning through Amazon AWS API (Rekognition, Poly, Comprehend, Transcribe)
- Created the prototype using Django.

## Skills

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- Web Development: MEAN Stack (Angular 4), ASP.NET, Django
- Mobile Development: Android (Java), Flutter
- Deep Learning/Machine Learning: Tensorflow, Amazon AWS API (Rekognition, Poly, Comprehend, Transcribe)
- Designing and Prototyping: Adobe XD, Adobe Photoshop, Adobe Illustrator

## Projects

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### **iWork website (ASP.NET + MSSQL)**

**September-December 2017**

*German University in Cairo, Egypt*

- During our Databases course, created a website using ASP.NET and MSSQL with the purpose of providing an on-line platform for job seekers to apply to companies online, answering interview questions set by the HR managers of these companies.
- Provides the tools necessary to ease the work for companies by accepting potential candidates, and create internal projects and assign them, while giving the opportunity for employees to apply for leaves.

### **2D Harry Potter Game (Java)**

**February-May 2017**

*German University in Cairo, Egypt*

- During the Object Oriented Programming course, created a Harry Potter themed 2D tile game using Java where the player must reach a cup which lies in a certain tile while avoiding obstacles and battling with other players.

## Extra-curricular Activities

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### **PixelSpot - Technical Article Writer**

**September 2018 - Present**

- Covers the latest news in the field of technology especially mobile devices

### **TEDxGUC - Member**

**January 2015- Present**

- Helped design graphical material that was used to market for the events digitally and on ground.

### **The Intelligent Question - Disciples House Leader**

**2018**

- Taught Highschool students how to debate which included presenting their arguments properly and public speaking skills.