Khaled **Awad** Software Engineer

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♀ Alexandria, Egypt

☑ Website



EDUCATION

2019 B.S.c in Computer and Communications Engineering

> Faculty of Engineering, Alexandria University - GPA: 3.1

PROFESSIONAL EXPERIENCES

Current April 2021

Cloud Engineer | Rackspace Technology, ALEXANDRIA-Egypt

> Working on Building systems Infrastructure and large scale migrations..etc

> Writing infrastructure as code

> Utilizing CI/CD pipelines, configuration management, containerization, etc.

AWS Terraform CloudFormation IaaC

April 2021 August 2019

Software Engineer | eSpace, ALEXANDRIA-Egypt

> Develop high end web apps used by hundreds of thousands in integration with third parties service.

> Develop projects using backend Rails and Frontend ReactJS.

> Design and update software database.

Ruby on Rails | ReactJS | Hooks | Rspec | react-testing-library | PostgresQL | Jenkins | RSpec | Jest | TDD

TECHNICAL SKILLS

Ruby, Python, (C#), JavaScript, PHP, C **Programming Languages**

Rails, ReactJS NodeJS, Laravel, Bootstrap, Keras Frameworks Development tools AWS, Jenkins, Jira, Sentry, Unity3D, VSCode, Atom, git

> **Databases** MySQL, PostgreSQL, DynamoDB

PROJECTS

* X-Ray Examination (MURA challenge) Jan. 2019 - March 2019

karimamd/Bone-Abnormality-Classifier-in-Keras Using Stanford's MURA dataset to detect abnormalities in X-Ray scans of 7 different joints implemented in Keras

Python3 Keras Keras Functional APIs Computer Vision Colab

* MEMES MESSENGER CHATBOT JAN 2019 - CURRENT

khaledbnmohamed/YourVirtualBuddyChatbot

☑ Live app FB messenger

☑ Facebook Messenger chatbot that uses Imgur API and sends you your daily dose of memes

NodeJS NLP APIs DialogFlow Heroku PostgresSQL

* COLDPLAY AR WORLD

JAN 2019 - FEB 2019

khaledbnmohamed/Coldplay-AR-Video-Experience

More details

AR based on Vuforia Unity app shows music videos for coldplay. using "on-cloud" videos and local storage.

Unity3D | ARCore | Vuforia | Augmented Reality

PUBLICATIONS

* [ACADEMIC RESEARCH] HADITH VERIFICATION BLOCKCHAIN Nov. 2020 - Jan 2022

khaledbnmohamed/hadith-blockchains

Build a Hyperledger Fabric blockchain that stores unique versions of Prophet Mohamed PBUP in a private distributed ledger

Blockchain Hyperledger Fabric NodeJS

* [PAPER] BUILDING YOUR KINGDOM: IMITATION LEARNING FOR A CUSTOM GAMEPLAY IEMCON 2019 - 17 OCTOBER 2019

O DOI: 10.1109/IEMCON.2019.8936134

Building a personalised gaming experience with a reinforcement learning brain on the top of Imitation Learning Brain

ML Imitation-Learning Reinforcement Learning



EXTRA-CURRICULAR EXPERIENCES

2016 Facilitator | EYouth "Social entrepreneurship organization", EGYPT

> EYouth organize annual competition for ideas and regular camps in different governates across Egypt.

2016 Mechanical Team member | "Let's Make a Robot" competition, ALEXANDRIA UNIVERSITY

> Designing a light weight, small size rescue robot, making sure it fits the competition standards.

2014 Trainer | Shift network (Euro-Arab youth Initiative), ALEXANDRIA

> \(\text{Gave several sessions within projects related to culture diversity, youth empowerment.} \)