Khaled **Awad**

Software Engineer

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Education

2019 | **B.S.c in Computer and Communications Engineering**
- Faculty of Engineering, Alexandria University - **GPA : 3.1**

Professional Experiences

Current
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

Programming Languages	**C** , **Python** , (**C#**), Java, JavaScript, CSS, PHP
Frameworks	**Rails**, **ReactJS NodeJS**, Laravel, Bootstrap, **Keras**
Development tools	**AWS**, **Jenkins**, **Jira**,Sentry,**Unity3D**,VSCode, Atom, git
Databases	MySQL, PostgreSQL

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 distrubted ledger

Blockchain | Hyperledger Fabric | NodeJS

[Paper] Building your kingdom : Imitation Learning for a Custom Gameplay — IEMCON 2019 - 17 October 2019
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

Projets

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

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**
- Gave several sessions within projects related to culture diversity, youth empowerment.