Software Engineer , JavaScript and Machine Learning Developer

Diallo Jaafar

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Technical Skills

JavaScript	React	ReactNative	*Redux*
Angular/Ionic	Nodejs	*HTML5*	*CSS3/SCSS*
Bootsrtap	**Git**	*FireBase*	
SQL	*MongoDB*	*Python*	
CRISP-DM	*Tensorflow /Keras*	*OpenCV*	

Academic and personal projects

✓ **Infomation Retrieval (PFA)**

Apply the different algorithms of IR approchoes in a corpus in ordre to compare their performance.

Technologies : Python , Word2Vec, ANN , BM25 .

✓ **Smart sensor network** *:*

Deploying sensors , acquiring data , process the acquired data and giveus the result in order for us to make decisions .

Technologies : *Zigbee , Xbee , python , pir , LM35, breadbord ,ubidots (Academique project).*

✓ *Image Captionning* :
Provide descriptions or annotations for images given as input.

Technologies : RNN , DNN , Python , Keras , Theano , pytxt. .
(Academique project)

✓ *Dispositif Interactif (Smart Album)* :

Use computer vision to recognize gestures and position of the hand , then based on this gestures , an action will be trigred in order to consulte the album per page.

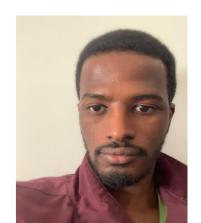**Technologies** : Python , OpenCV , Image processing.

Certificats

Front-End Web Development with React by The Hong Kong University of Science and Technology on Coursera. Certificate earned at Monday, October 21, 2019 8:22 PM GMT.

Front-End Web UI Frameworks and Tools: Bootstrap 4 by The Hong Kong University of Science and Technology on Coursera. Certificate earned at Friday, May 3, 2019 5:03 PM GMT.

Front-End JavaScript Frameworks: Angular by The Hong Kong University of Science and Technology on Coursera. Certificate earned at Friday, July 19, 2019 1:24 AM GMT.

Talan Innovation Factory AI BootCamp :this bootcamp was held During our Internship so that we sharpen the foundation of AI.

Studies

2017-2020 : Engineering Degree in Computer science and multimedia .

High institut of multimedia of manouba.

2014-2017 :Fondamental License in Computer applied in management.

Faculty of economic and managment of Nabeul (FSEGN)

2014 : Baccalauréat , Mathmatics with Mention Bien.

Internships

✓ *AI developer , at Talan Tunisia :Feb-June 2020*

RealTime Sign Language Recognition , Sound Environment Detection, Speech to text .
Technologies : NLP , RNN , CNN , Computer Vision , Ionic , nodejs, python,WebRTC.

✓ *Computer Vision developer ,   Intern at SIMAC ,Computer:24/06/2019-23/07/2019*

Biometric authentification system using Fingerprint and face recognition.

Technologies : C# .NET , Zkteco , U.are.U, EmguCV ,Image processing...FaceAfis

✓ *Python Developer , Intern at TSD: 01/06/2019/-01/07/2019*

Design a plugin for QGIS to collect goods from different magasins, and optimise the ressources.

Technologies : Python , Qgis , Postgresql, QT .

✓ *Xamarin Developer , Intern at Sysatoo : Fevrier-juin 2017*

Design and develope a module for loyalty cards that can be used by many magasins and integrate it to existing ERP .
Technologies : C#, NET Framework , Web service, Xamarin , ERP .

Languages

English : Advanced level , C1.

French:Advanced level ,C1.

Arabe : used in daily life.

Hackaton

Coding Land V3 : Hackathon during which a group of student working in team for 24h(all night) to build and design a solution for a specific problem

Problem Solving TOPCoders : is a big programming competition in Tunisia , each team is invited to solve a maximum number of problems (Optimisation problems , graph theory) using c or java programming langage.

Social activities

Staff with in sponsoring departement of J2I (Jeune Ingénieur) club .

Interests

Manga : One Piece.