

Badr YOUNBI IDRISSE

S O F T W A R E E N G I N E E R
&
A I E N T H U S I A S T

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Starting
Aug 2019

SUMMARY

Master of engineering student looking for 6 month research or research engineering internship as part of the Digital Tech Year, an intensive computer science programme of CentraleSupélec.

EXPERIENCE

From Jan 2019
To Jul 2019

SOFTWARE ENGINEER, PARIS DIGITAL LAB

Paris Digital Lab is an innovation training device enabling students to become proficient in various technologies through the realization of real-world projects. Currently Working with Allianz (world leading Insurance company) on high level analysis of the support ticket flow to prevent quality of service risks.

[Python](#) [Natural Language Processing](#) [Deep Learning](#) [Data Engineering](#)

From Sep 2018
To Jan 2019

ARTIFICIAL INTELLIGENCE RESEARCH

Conducted research in the MICS Laboratory of CentraleSupélec on the interpretability of deep learning models in Audio classification.

[Python](#) [Deep Learning](#) [Research](#) [Keras](#) [Tensorflow GPU](#) [Google Cloud](#)

From Nov 2018
To Dec 2018

DEEP REINFORCEMENT LEARNING PROJECT

Implemented reinforcement learning algorithm that learns to play a game with only the raw image as input. Applied this to Chrome Trex Easter egg.

[Python](#) [Computer vision](#) [Deep Q Learning](#) [Keras](#) [Tensorflow GPU](#)

From Oct 2017
To Aug 2018

EPIDEMIUM CHALLENGE

Achieved second place in the Epidemium challenge. Used various machine learning models to predict cancer mortality in developing countries.

[Python](#) [Data Engineering](#) [LSTM Neural Network](#) [Dataiku](#) [Keras](#) [Tensorflow GPU](#)

From Nov 2015
To Apr 2017

SELF LEARNING CRAWLING ROBOT

Implemented an algorithm to train a recurrent neural network with a genetic algorithm to control a double articulated crawling robot.

[Python](#) [Genetic Algorithms](#) [NEAT](#) [Physics computer simulation](#) [Arduino](#)

EDUCATION

From Sep 2017
To Jun 2021

CENTRALESUPÉLEC - MASTER OF ENGINEERING

CentraleSupélec is an elite Engineering School, member of France's Grandes Ecoles, based on a highly selective admission process.

[Analysis](#) [Probabilities](#) [Statistics](#) [Algorithms and Programming](#) [Machine Learning](#)
[Object Oriented Programming - Java](#) [Advanced Optimisation](#)

From Jan 2019
To Jan 2020

CENTRALESUPÉLEC - DIGITAL TECH YEAR

Admitted to the one-year digital technology specialization program. Developing real-world projects; plus one semester international work experience.

From Sep 2015
To Jun 2017

LYCÉE PIERRE CORNEILLE - BACHELOR OF SCIENCE

Intensive preparation course in Maths, Physics and Computer Science for the highly competitive entrance exams to Engineering Schools.

TECH SKILLS

Machine Learning
Linear Models, SVM, Decision Trees, Ensembles.

Deep Learning
End to end models, CNN, LSTM.

Domains
Audio Tagging, Computer Vision, Natural Language Processing.

Languages
Python, Java, Javascript.

Libraries
Keras, Tensorflow, Scikit-learn, Numpy, Scipy, Librosa.

Graphic Design
Illustrator, Photoshop.

LANGUAGES

French Fluent, C2 Level
English Fluent, C2 Level
Arabic Native

CLUBS

Implemented monitoring for the campus network infrastructure that provides internet to nearly 3000 people. It is handled by students in the Viarézo club which i am part of.

Also member of the photography, design and board game clubs in CentraleSupélec.