

# MOHAMED HMINI

Data/A.i Specialist

Data Engineer | Data Scientist | ML Engineer | A.i Developer



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## EDUCATION

### MSc of information systems and intelligent systems (M2SI)

National Institute of statistics and applied economics (INSEA)

09/2019 - 09/2021

Rabat, Morocco

### Bachelor's Degree in Information systems and big data (BDSI)

Ecole Supérieure de Technologie de Sale

09/2018 - 06/2019

Sale, Morocco

### Associate Degree (DUT) in Software Engineering

Ecole Supérieure de Technologie de Meknes

10/2016 - 06/2018

Meknes, Morocco

## SOME PROJECTS

Distributed Pandemics Simulator (D-PandiSIM)  
(01/2021 - 02/2021)

- big data based pandemics distributed simulator.
- <https://github.com/MohamedHmini/D-PandiSIM>

Paysim Fraud Detection (10/2020 - 12/2020)

- PaySim fraud detection using deep learning.
- <https://github.com/MohamedHmini/Paysim-Fraud-Detection-using-VAE-and-BNN>

tweetsOLAPing (06/2020 - 07/2020)

- implementing an end-to-end tweets ETL/Analysis pipeline.
- <https://github.com/MohamedHmini/tweetsOLAPing>

IntelliWebWrapper (IWW) (04/2019 - 05/2019)

- Bachelor's thesis on intelligent web content extraction.
- <https://github.com/MohamedHmini/iww>

## WORK EXPERIENCE

### ML Engineer (intern)

laboratoire bordelais de recherche en informatique (LaBRI)

03/2021 - 09/2021

Bordeaux, France

Achievements/Tasks

- Creating Different Boolean Networks' Embedding techniques to allow for a multilevel view of the same Boolean Networks' ensemble.
- Applying Feature Selection techniques to isolate the good Boolean Networks

### Software Engineer (intern)

SALIDOR

04/2018 - 05/2018

Meknes, Morocco

Achievements/Tasks

- Re-modeling the purchase-to-pay business process.

### Software Engineer (intern)

Fiduciaire Aguidi

07/2016 - 07/2016

Mekne, Morocco

Achievements/Tasks

- Digital transformation of day-to-day accounting tasks.

## SKILLS

Statistical Modeling

Statistical Tests

Symbolic A.i

Machine Learning

Deep Learning

BPMN

Image Processing

Manifold Learning

Stochastic Processes

Optimization Techniques

Software Modeling

Databases

Big Data

Data Warehousing

OOP

Logic Programming

Procedural Programming

Functional Programming

Distributed Programming

Probabilistic Programming

Parallel & Concurrent Programming

Meta-Modeling

## COURSES I ENJOYED

Preparing Self-Driving Cars Specialization Certificate (2021)

Coursera, University of TORONTO

Gained Big Data Engineer v2 Mastery Award (2018) Certificate (2021)

IBM Africa Skills Academy

Advanced Probability & Statistics (Certf NaN)

MIT & NPTEL & HARVARD

Manifold Learning (Certf NaN)

University of Toronto

Deep Learning (Certf NaN)

NYU & CMU

Image Processing / Signal Processing (Certf NaN)

Various Sources

## TOOLS

languages: python, c, java, javascript, prolog, clingo, lisp, VBA, SQL ...

ML/data-manipulation: numpy, pandas, matplotlib, seaborn, sklearn, pytorch, pyro, matlab, hadoop, pyspark ...

other: opencv, jupyter-nb, bpmn, git, latex, docker ...

## LANGUAGES

English



French



Arabic



## INTERESTS

Reading

History