

Mehdi NAIT HAMMOU

Realtime systems engineering student at ENSIM - Le Mans University

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PROFIL

Engineering student at ENSIM - Le Mans University. Currently looking for a six months end of studies internship in machine learning/Computer vision starting february 2022.

EDUCATION

Sep 2020 – present	ENSIM - Le Mans University , Exchange student <i>Major</i> : Realtime & embedded systems.	Le Mans, France
Sep 2018 – Jun 2020	ENSIAS - Mohamed V University , Engineering student <i>Major</i> : Embedded & Mobile Systems engineering.	Rabat, Maroc
Sep 2016 – Jun 2018	CPGE Lycée Mohamed V , Preparatory classes for engineering schools	Casablanca, Maroc

INTERSHIPS

Jul 2019 – Aug 2019	La Marocaine de Fonderie - MAFODER Integrating and deploying a Helpdesk management tool. Keywords : ITop, Xampp, Windows Server.	Casablanca, Maroc
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PROJECTS

Kaggle's second annual datascience bowl

- Heart failure detection through MRI scans.
- Ventricular volume segmentation and visualization.
- Measuring Ejection fraction.

Keywords: Python3, Tensorflow, Keras, SimpleITK, 3DCNN, Semantic segmentation, DICOM imaging.

Creating a virtual version of Set! card game

- Detecting and identifying played cards.
- Implementing game rules.

Keywords : Python3, Tensorflow, Keras, Edge Computing, Google Coral, Intel Movidus Myriad X, CNN, Raspbian.

Sign language recognition

- Benchmarking different supervised algorithms to determine the most suited one to the problem at hand.

Keywords: Python3, Tensorflow, Keras, CNN, KNN, SVM, Local Binary Patterns (LBP), Histogram of Oriented Gradients (HOG), Hu Moments.

SKILLS

Frameworks

Tensorflow, Keras, Scikit-Learn, OpenCV, Numpy, SciPy.

Programming languages

Python, Matlab, Java, C language, Assembly, VHDL.

Tools

VS Code, Jupyter, Version control (Git).

Operating systems

Linux (Debian, Ubuntu, Raspbian).

LANGUAGES

English (Proficient) • **French** (Proficient) • **Arabic** (Native) • **German** (Beginner)

EXTRACURRICULAR ACTIVITIES

Jul 2019 – Jul 2020	6th edition of ENSIAS Olympic games , Cultural team manager, and member of the steering committee ENSIAS olympic games is an event gathering students from all backgrounds and specialties, for a weekend of sports, art and cultural competitions.
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REFERENCES

Aissam BERRAHOU, Professor, ENSIAS - Mohamed V University of Rabat
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