



MOHAMED BEN HAMDOUNE

Data Scientist

Computer Vision, Natural Language Processing

French Nationality

26 years old - Driving License

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For more details, check my online resume : www.mbenhamd.com

EXPERIENCE

Deep Learning Research Intern

Laboratoire IBISC - CNRS - February 2019 to September 2019 - Internship - Évry - France



The interpretation of neural networks and their predictions is a major challenge. Neural networks are considered as "black boxes" so there is a real need to make neural networks more interpretable and this is particularly true in the medical field (Biological interpretation of deep neural networks learned from transcriptomic data).

Data Scientist Intern

Eiffage Systèmes Informations - June 2018 to September 2018 - Internship - Neuilly Plaisance - France



- POC (Proof Of Concept) on Computer Vision Project and Predictive Maintenance.
- Project "Opere" with the SNCF: Detect a problem of rail transport on the LGV Bretagne-Pays de la Loire.
Data base containing the images with an anomaly, the goal being to realize a system of detection of anomaly on the rails.
- Smart city project named "Expereite", in partnership with Microsoft and the start-up company called Busit. I collected data from IOTs (electrical cabinet connected) to perform predictive maintenance.

Software Developer Intern

IAE Poitiers - April 2016 to July 2016 - Internship - France



- The CEREGE laboratory of the University of Poitiers is working on a project in the digital domain. In this one, we propose capturing and processing datasets from platforms like Facebook, Twitter and Youtube that must be linked with data provided by companies and the statistics department of a ministry.
- Development of a database needed for these processes (MySQL, Python, etc.) and capture (API RESTful).
- RELOC project with ULULE and KKBB databases.

EDUCATION

Master's degree

Université Paris Descartes

Since September 2017

Specialized in artificial intelligence (Machine Learning for Data Scientist).

We study unsupervised, semi-supervised and supervised learning methods and visualization methods.

These methods are commonly used in the context of data mining which is the art of extracting information or even knowledge from increasingly large data. These can come from various fields such as genomics, textual analysis, images, networks and speech.

Bachelor of Mathematical and Computer Sciences

Université de Poitiers

September 2014 to June 2017

Easily use the basics of probabilistic reasoning and implement a statistical approach to data processing.

Write and implement basic algorithms for scientific computing.

Use software for formal and scientific calculation.

SKILLS

Data Science

- Clustering ★★★★★☆
- Supervised learning (Classification / Regression) ★★★★★★
- Visualization ★★★★★★
- Reinforcement learning ★★★★★☆

Software Development / Cloud

- Python, C, C++, R, Java ★★★★★☆
- Scikit-Learn ★★★★★☆
- Tensorflow / Keras ★★★★★☆
- Apache Spark / Hadoop ★★★★★★
- Elasticsearch ★★★★★☆
- AWS (Amazon Web Service) ★★★★★☆
- Microsoft Azure ★★★★★☆
- GCP (Google Cloud Computing) ★★★★★★
- Angular, React, API RESTful ★★★★★☆

Languages

- English (fluent) ★★★★★☆
- French: native ★★★★★★
- Arabic (Maghreb dialect) ★★★★★☆