



## Data Scientist Junior

With a great capacity for analysis, curious and team spirit, I am looking for a permanent position.

## ABDELHAMID ALAOUI

GRADUATE - ECOLE OF  
MINES OF SAINT-  
ETIENNE IN DOUBLE  
DIPLOMA WITH THE  
UNIVERSITY JEAN  
MONNET OF SAINT-  
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### CONTACT

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### TECHNICAL SKILLS

- Python, sklearn, Pandas, numpy
- Machine Learning, Deep Learning, NLP, Tensorflow2.0.
- Hadoop, MapReduce, Spark, MongoDB, SQL
- Nodejs, REST API, Java.
- Data Analysis, Linear Algebra, Statistics
- AWS EC2, IAM, Lightsail, Gateway, CI/CD
- Git, Github, Gitlab.
- Complexity and Algorithms

### LANGUAGES

- English: Intermediate(B2)
- French: Native speaker
- Arabic: Fluent

### CERTIFICATES

- **Coursera** Certified Neural Networks and Deep Learning
- **IBM** Data Analysis with Python
- **IBM** Machine Learning with Python
- **Kaggle** Machine Learning Explainability
- **Kaggle** Features engineering

### INTERESTS & SPORTS

- Volleyball
- Travel
- Football



## EDUCATION

**University Jean Monnet - School of Mines of Saint-etienne**

- Master: AI and Cyber physical and social Systems (CPS2) | 2020

**Faculty of sciences and technology of Saint-Etienne**

- Bachelor in Computer Science | 2018

**Faculty of sciences and technology of Tangier - Morocco**

- Bachelor in Computer Science | 2017

**Faculty of sciences and technology of Tangier - Morocco**

- Diploma in Maths-Informatics-Physics-Chemistry | 2016



## PROFESSIONAL EXPERIENCES

### Data Science | Machine Learning | AWS

AMADEUS IT GROUP | Feb - Aug 2020 (6 months)

**Internship topic:** R&D of Recommender Systems for Travel.

- Study the concepts of the Recommender systems and the state of the art on AI for Travel.

- **Data Preparation:** clean, perform feature engineering, dataset enrichment, deal with missing values/ outliers/ class imbalance.

**Tools:** Python & Jupyter Notebook (Pandas, Numpy, Scikit-Learn, Seaborn, Matplotlib).

- **Data Analysis:** get insights about the visitors of the use case website (amadeus.net).

- **Modeling:** apply, evaluate, and explain different regression and multiclass classification algorithms using Scikit-learn. Check feature importance and model's calibration.

- Worked on **ML Explainability** for some models.

- Create a **serverless REST API** to recommend three destinations that could interest the travelers.

- Create **Deployment** pipelines for **CI/CD** using AWS Lambda, CircleCI.

- Continuous **interaction** with different people in the organization to get relevant inputs and present the **results** of the project.

- **Achievement:** Ranked 5th/68 team in a data competition internally during the last internship with Amadeus, Nice

### Data Analysis | Machine Learning | Scraping

SNCF Réseau | Apr - Aug 2019 (4 months)

**Internship topic:** Development of a stochastic methodology to study the robustness of a time grid.

- Get acquainted with the current methodology and its limitations;

- Participate in discussions on the definition of the new methodology;

- Collect the necessary data. **Tools:** NodeJs, REST API

- Model test scenarios under a railway simulation tool

### Web Development | Software Engineering

SEBN MA | Apr - July 2017 (3 months)

**Internship topic:** Creation of a communication tool allowing the Automation of the evaluation system of communication actions, the creation of questionnaires and the administration of data collection.

- **Tools:** HTML5/CSS3, JavaScript, PHP, Laravel 5, Bootstrap, MySQL.