Abdelkarim HAFID

Software engineer and data developer, available ASAP

Software engineer of Polytech NICE Sophia Antipolis. (Double degree from the INPT engineering school)

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github.com/karim-Grid ◯

EDUCATION

Master 2: Data engineering
Polytech Sophia Antipolis, UCA

09/2019 - 08/2020   *Nice, France*

Double graduate: Software engineering
National Institute of Posts and Telecommunications (INPT)

09/2017 - 08/2020   *Rabat, Morocco*

CPGE REDA-Slaoui: Option MP (Math Physique)
Preparatory classes for engineering schools

09/2015 - 06/2017   *Agadir, Morocco*

PROFESSIONAL EXPERIENCES

End of studies internship: Re-implementation of a recommendation system used by Netflix for caching similarity experiments.
Inria

03/2020 - 08/2020   *Nice, France*

Tools and technologies:
- Python, keras, Tensorflow, Pytorch, Scikit-Learn libraries, numpy, scipy, matplotlib libraries.

Big Data developer
I3S

11/2019 - 01/2020   *Sophia Antipolis, France*

Tools and technologies:
- Storm streaming tool, Grid 5000: cloud distributed in France, Python, Pandas dataframe, jupyter.

Web developer: Development of a web application to collect and display new information from news sites namely CNN and el-Jazeera.
Vala

07/2019 - 09/2019   *Agadir, Morocco*

Tools and technologies:
- PHP framework Laravel, MongoDB.

Java developer: Design and development of an application for civil status management.
Center of Excellence for Information and Technology (CEIT)

07/2018 - 09/2018   *Casablanca, Morocco*

Tools and technologies:
- UML, Java, Mysql.

CERTIFICATES

Scrum Foundation Professional Certificate (06/2020)

Java Programming: Centre for Excellence in Technology and Information(09/2018)

Unsupervised learning in python: DataCamp (03/2020)

Clustering Analysis in python:DataCamp (04/2020)

TECHNICAL SKILLS

Programming languages:
- JAVA, Python, R

Technologies:
- Hadoop, Spark, Tensorflow, Keras, Storm, Pytorch

Modelization:
- UML, SOAML

Databases:
- Mysql, MongoDB

Cloud computing:
- Docker, Sdn, Kubernetes

PROJECTS

Profiling malicious users of a web site using data mining techniques
Tools: SVM, Pandas, Numpy, NetworkX to create graphs with python.

Named Entity Recognition tagging
Tools: Pytorch, Numpy, Tensorboard

Re-implementation of a dimension reduction technique called UMAP to improve its performance
Tools: Python, T-SNE: Dimension reduction technique.

Comparison of two types of GAN (Generative Adversarial Network) performance: DC-GAN and Dense GAN
Tools: Python, PyTorch deep learning framework, Torchvision.

Semi Supervised Translator
Tools: NLP: Natural Language Processing, Scipy, Numpy

LANGUAGES

French: Billinge   English: Professional skills