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EXPERIENCE

Data scientist, 09/2021 – Ongoing at Smart AdServer

- Translate business problems and feature needs to ML problems.
- Design DL algorithms to enhance products.
- Implement always-on training pipelines in GCP with the help of the ML engineers.
- Investigate and fix production problems of different models.

AdTech ML Neural Networks Python Google Cloud

Lecturer, 09/2017 – 06/2021 at INSA Toulouse

In different courses related to Software-Defined Communication Infrastructure:

- Concepts and Software Techniques Associated with NFV/SDN and Autonomic Computing
- C and networks programming
- 5th year students projects tutor.

Cloud Big Data C NFV DevOps Openstack

Doctoral researcher, 03/2018 – 06/2021 at LAAS-CNRS

- Rethinking problems caused by the Distributed IoT platforms regarding application QoS requirements.
- Build a data-driven autonomous control system to sustain QoS for Cloud services.
- Exploration various AI-based techniques such as genetic algorithm, multi-label classification and clustering.

ML AI Optimization Cloud QoS IoT

Research Assistant, 09/2017 – 02/2018 at CNRS

- Development of a test-bed and experimentation on the dynamic management of quality of service in IoT platforms.
- Scientific article publication : "A Modular Framework for Dynamic QoS Management at the Middleware Level of the IoT" published in IEEE ICC 2018.

Java JMX Eclipse OM2M QoS IoT

REFEREES

Prof. Christophe Chassot – INSA

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SUMMARY

Data scientist with a strong background in applied R&D in cloud, distributed systems, scientific computing, machine learning, and statistics. Passionate about improving business processes through sound experimental design and analysis.

EDUCATION

Ph.D. in Computer Science, 2021

Institut national des sciences appliquées de Toulouse

M.S. in Computer Science, 2017

Institut national des sciences appliquées de Toulouse

Ingénieur in Computer Science, 2016

École nationale des sciences appliquées de Safi

TECHNICAL SKILLS

Algorithms Machine Learning Data analysis ETL

Statistical Modeling Optimization

Python Julia R C Java SQL Git Docker

Spark Airflow AWS Sagemaker

Jupyter Pandas Numpy Scipy Keras Tensorflow

Scikit-learn Scikit-multilearn Matplotlib Seaborn

Classification Clustering Regression

Feature Engineering Validation

Bayesian inference Hypothesis Testing

Dimensionality Reduction

CERTIFICATIONS

🏆 **Algorithms**
by Stanford University on Coursera

🏆 **Machine Learning**
by Stanford University on Coursera

🏆 **Julia Scientific Programming**
by Cape Town University on Coursera

GRANTS & AWARDS

🏆 **Best Demo Award**
ICSOC 2018 (Rank A Conference)

🏆 **CNRS PhD Scholarship**
Funded by Continental Digital Services France

🏆 **Outstanding Scholarship**
Funded by the Government of Morocco

🏆 **Outstanding Scholarship**
Funded by the Government of Burkina-Faso.

LANGUAGES

French
English



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