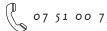
Rachid ELMONTASSIR

Al Ph.D. student at CERFACS

CONTACT



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github.com/relmonta

Linked in linkedin.com/in/rachid-elmontassir

EDUCATION

2018 - 2021



2020 - 2021



2016 - 2018



Engineering degree in computer science and applied mathematics, branch HPC & Big Data: Optimization, Data assimilation, Stochastic filtering, Statistics and Machine Learning (R + Python) and Java.

INP-ENSEEIHT, Toulouse France

Master 2 "Performance in Software, Media & Scientific Computing": Deep Learning, Distributed Computing, Grid Computing, Cloud, Hadoop and Spark.

INP-ENSEEIHT, Toulouse France

Classes préparatoires aux grandes écoles, branch Maths & Physics: Python, Algorithmics (bases), Maths and Physics. CPGE Ibn Ghazi, Rabat Morocco

EXPERIENCE

March - September 2021

Internship: Designing a hybrid Physics-Al approach for cloud cover nowcasting.

- Defining the physical model in the form of partial differential equations (PDE).

- Designing a hybrid architecture by associating a U-Net model with the physical model.

CERFACS, Toulouse, France

Using: Python, Keras, PyTorch, Time schemes and PDE-NetGen (A code generator for PDEs)

June - July 2020

Internship: Adapting practicals of mathematical subjects (PDE, Optimization, Optimal Control and Data analysis) to remote work.

ENSEEIHT, Toulouse, France

Using: Julia, Matlab, PCA, K-NN, Bayesian Classification and Optimization Methods

PROJECTS

November 2020 - March 2021

Drone-Humain Interaction (with SII Sud-Ouest): Positioning of a rescue drone in front of a victim and discussion via a Chatbot.

Using: Python, TensorFlow and PyTorch

October2020 - February 2021

Al-Challenge: Job descriptions classification with a fairness constraint (4 members' team).

Using: Python, TensorFlow, PyTorch and Transfer Learning.

January - May 2020

Hidoop: Distributed data management application, like the Hadoop framework (4 members' team).

Using: Java, Map-Reduce, RMI and Socket

LANGUAGES

• French: Advanced, English: Professional level, Berber: Native tongue, Arabic: Proficiency, German: Elementary

CERTIFICATS

2020

2020

courserd

TensorFlow in Practice specialization: Python, NLP, RNN, CNN and Time series coursera.org/verify/professional-cert/MK9JZ2JKC53V

coursera

Machine Learning, Stanford: Matlab, Linear / Logistic Regression and Regularization coursera.org/account/accomplishments/verify/LK2TVNG4LX6T