

Engineer & PhD

Hamid BADRI

32 years old

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Machine Learning, Data-driven model and AI

Certificate & Education

2018: Doctor of Philosophy (PhD), physics and numerical modeling. University of Strasbourg;

2015: Master of Science, Computational engineering. ICUBE;

2014: «Maitrise»: Computational engineering. ICUBE-UFR Physic & Engineering-University of Strasbourg (France);

2012: Master of Engineering, Process, Energy and Environment Engineering, from the National School of Applied Sciences, Agadir (Morocco);

2009: Bachelor of Science and Technology (Math.Inf.Phy)/ENERGY (FSTS);

Experience

Since March-2019: Data scientist at Stockbooking: PoCs, API development:

✓ Stock optimisation using Reinforcement Learning (Q-learning, SARSA, deep-learning); Algorithm conception; Time series analysis (LSTM, SARIMAX) demand Forecasting; Pipeline data development; Model training and optimisation.

✓ Managing ICONET project-International EU project, investigating PI (Physical Internet)

2015-2018: Researcher, University of Strasbourg : Inverse problems; Parameters and source terms identification; Numerical Predictive modeling; Mathematics; Optimization; Programming; Data processing; Communication; Porous and fractured media flow.

2016-2018: Teaching assistant at UFR Physic & Engineering, University of Strasbourg.

2015 (5 months): Thermal-Multi-physics nonlinear-model of Li-ion batteries. ICUBE/QEER(Qatar).

2014 (1 month): Consultant at the Qatar Environment and Energy Research Institute (QEERI).

2013: Technical Manager at GREEN-CAR Construction of a prototype solar-car (Morocco).

2012 (4 months): Graduation Project, OCP-SA (Morocco): Flexibility improvement of the plant, increase system availability: flocculation, decanters, Implementation of an automation system & a GUI.

2010-2011: Technical Manager (10 members) of ENSAcAR Shell Eco-marathon competition

EUROPE 2011 (Germany): construction of a four-wheel car (category: urban concept).

Publications & Research

Researchgate: https://www.researchgate.net/profile/Hamid_Badri

Google Scholar: <https://scholar.google.fr/citations> ; **Peer Reviewer:** Hydrogeology Journal (I reviewed articles related to inverse problems and model calibration).

Skills

Python, Jupyter Lab, Scikit-learn, Pandas, Dask, Numpy, Keras, Tensorflow, Tensorboard, Git, linux, Regular expression, Docker, SQL, Flask, Rest API, Machine learning, Deep Learning.

Languages

English: fluent; **French:** fluent; **Arabic:** fluent; **Spanish:** beginner;

Other

Team Member at ADDAL association 2017 ; Team Member at ENSAcAR2011; Fitness ; SST, Driving license.