

Amir DIB

Research Data Scientist



CONTACT

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EDUCATION

Ph.D. Machine Learning

Ecole Normale Paris-Saclay, SNCF
2017-2021

Mc.S. Probability (DEA El Karoui)

École Polytechnique, Sorbonne University
2014-2015

Mc.S. Fundamental Physics

Paris-Saclay University
2012-2015

SKILLS

Dev

*Python (tensorflow, pytorch, etc), R, C++,
javascript, Web.
CI/CD, Gcloud, AWS*

Statistics

*Deep learning (GNN, CNN, RNN, etc),
Bayesian modeling,
temporal series analysis.*

PROFESSIONAL EXPERIENCE

Lead Research Data Scientist

CITIO, 2021 - present.

In charge of a team of three person to design and implement new algorithms for large transportation network management. Conception and delivering of the R&D roadmap, building production ready and metric driven algorithm and communicate key results with investors.

PhD Candidate

ENS Paris-Saclay / SNCF, 2017 - 2021.

Preparation of my Ph.D. thesis titled **High dimensional pattern learning for symbolic time-series**. My research focused on ML models for symbolic time series classification (DNA patterns, temporal graphs, text, etc).

Research Data Scientist

French National Railway Company (SNCF), 2015-2017.

Algorithm design for large-scale application on industrial systems. Include project supply chain optimization, predictive maintenance on the train fleet and infrastructure, transportation network optimisation, designing NLP solution for automatic report classification,

Data Scientist

Quantmetry, 2015.

Data science on several industrial use cases such as NLP for automatic medical diagnosis, bayesian modeling for drug testing, sociological modeling of access to health care and DL for object recognition.

NOTABLE PERSONAL PROJECTS

ONADAP (2020-2021)

Design of a tool to model and visualize the dynamic of an epidemic in a hospital environment. Developed at the HIA Percy (one of the largest military hospitals), **it has been given a special grant of 600K€ by the French Government Defense agency (DGA) to be deployed as an operational tool.**

Aave (2017)

Aave is a fully decentralized lending financial marketplace built on top of the Ethereum Network. **As of 2021, Aave is in the top 10 cryptocurrency market capitalization.**