

Reda Belhaj-Soullami

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🌐 <https://redabelhaj.github.io> • **in** Reda Belhaj-soullami • 🌐 redabelhaj

I am a third-year student at Ecole polytechnique, looking for a 4 to 6 months research internship in machine learning.

Education

Ecole polytechnique

Paris

"Ingénieur polytechnicien" diploma - Equivalent to a Master's degree

2018-2022

Major in Applied mathematics. Relevant courses : advanced probability theory, statistics and statistical learning, Machine Learning, Monte-Carlo simulation, Stochastic calculus for finance, optimization and control, Deep Learning for computer vision, programming, Design and analysis of algorithms, deep learning for computer vision, real analysis, functional analysis

Lycée privé Sainte-Geneviève

Versailles

Preparatory classes for french Grandes Ecoles

2016-2018

Majors in Mathematics and Physics - Intensive preparation in pure science to competitive exams for entrance into the french Grandes Ecoles

Experience

NukKAI

Paris

Research engineer intern

June 2020 - August 2020

Design of a deep multi-agent reinforcement learning algorithm for radar tracking. This work led to a publication of a paper at CAID (Conference for AI in Defense).

Lycée privé Sainte-Geneviève

Versailles

Oral Examiner

September 2019 – June 2020

Providing 45 students in weekly mathematics oral examination, in preparation of the competitive exams for entrance into the french Grandes Ecoles.

BNP Paribas

Collective Scientific Project at Ecole polytechnique

September 2019 – May 2020

Machine learning and Deep Learning project (1 day a week) : identifying and implementing several learning techniques to enhance the estimation of the probability of default.

Fondation du lycée Louis-le-Grand

Paris

Mission leader

September 2018 – April 2019

Ecole polytechnique's leadership training : Tutor in charge of 25 students, (weekly mathematics and physics classes), in charge of various projects to promote excellence and social diversity in french "Grandes Ecoles" : development of the foundation website, organization of informational conferences, collaboration for the attribution of scholarships...

Certifications

Coursera

Machine Learning certifications

July 2019

- Neural Networks and Deep Learning ;
- Improving Deep Neural Networks : Hyperparameter tuning, Regularization and Optimization ;
- Structuring Machine Learning Projects

Languages

French : Native

English : Fluent (TOEIC : 990/990)

Spanish : Intermediate.

IT skills

Python (including main ML/DL libraries), Java, SQL, \LaTeX . Office.

Activities and interests

Music : Guitarist since I was 11 - Blues, Rock, Metal, Fusion **Cinema, Gastronomy**