# Reda Belhaj-Soullami

📱 (+33) 6 98 64 16 97 • ✉ reda.belhaj-soullami@polytechnique.edu

🌐 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, Markov chains and Martingales, Machine Learning, Monte-Carlo simulation, Stochastical 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 *(TOEFL : 111/120 - 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**