

ADLANE LADJAL

ARTIFICIAL INTELLIGENCE ENGINEER



📍 Saint-Denis, Île-de-France, France

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EDUCATION

MS. Artificial Intelligence and Pattern Recognition

Université Toulouse III

2020 - 2021

Exchange Student

Université de Sherbrooke
Canada

2019

Computer Science Engineering School

Sup Galilée
Université Sorbonne Paris Nord

2015 - 2020

LANGUAGES AND SKILLS

- French (mother tongue)
- English (proficient)

- Machine & Deep Learning
- Python, TensorFlow, PyTorch
- C/C++
- OpenCV
- CUDA

- Team spirit
- Passionate
- Creative

HOBBIES

- Badminton, Football
- Theater, Cinema
- Photography, Video-games

ACADEMIC PROJECTS

Super-resolution methods applied to magnetic resonance brain images

2021

- Implementation of supervised and unsupervised machine learning models on brain 3D MRI using TensorFlow.

Scala implementation of UMAP (Uniform Manifold Approximation and Projection)

2019

- UMAP is a dimensionality reduction algorithm.
- Collaboration on C4E, an open source project: <https://github.com/Clustering4Ever/Clustering4Ever>
- Team leader of a 6-person team.

EXPERIENCES

Deep Learning & Image processing engineer Smiths Detection

2022
to
present

In charge of several projects using deep learning including:

- Threats detection on radioscopic images
- Image visualisation enhancement (denoising, super-resolution)
- Algorithm optimization leveraging CUDA programming

Computer Vision Engineer

2021

SogetiLabs, part of Capgemini

- Implementation of machine learning models for damage detection and identification on vehicles using MMDetection library.
- <https://quality-tracker.sogelabs.com/>

Python Developer

2020

Caciis (Client: SFR)

- Development of a Python-based tool allowing migration of RedBack routers' configuration to Cisco routers from the SFR network.

Data Engineer

2019

Talentsoft

- Achieved a POC to improve the performance of the textual searches performed on the database.

Secretary of Bureau des Etudiants

2017

Sup Galilée

- Event organization.
- Verbatim reporting.