

Adrien Hannon, Reserch project

0781648913, adrien.hannon59@gmail.com

EMPLOYMENT HISTORY

Apr 2022 — Jul 2022	Internship in a laboratory, Mathematics Laboratory of Lens Develop deep learning models with self-supervised methods on intracranial flow and pressure signal. Use VICReg for the self-supervised learning and Wasserstein metric for the loss function. Used languages : Python (essentially with PyTorch), toml	Lens
Apr 2023 — Jul 2023	Intership in a laboratory, LGI2A Develop deep learning model on EEG (Electroencephalography) data in order to help to understand this type of data. Use of the mechanism attention and transformer on this project Used languages : Python (essentially with PyTorch, Numpy, Panda)	Béthune

EDUCATION

Sep 2023 — Jun 2025	Master in Data Science, Centrale Lille	Lille
Sep 2022 — Jul 2023	Third year of the degree in technology, University of Lille	Lille
Mar 2022 — Apr 2022	Online course on the use of PyTorch, Udacity Different aspect showed like the mathematics used in neural network, also different architecture like RNN, LSTM	
Sep 2020 — Jul 2022	Two-year university degree in technology, University institute of technology	Lens

MAIN PROJECTS

Jan 2023 — Apr 2023	Detection of emotions Application capable of recognising face emotions with camera , prediction is made with an adapted model of ResNet9, it was made in Python, in a team of two
Jul 2021	Mastermind Make a mastermind game using PyQt in order to make an articial intelligence to play the game, alone

SKILLS

Python	SQL
PyTorch	OpenCV
Keras/Tensorflow	Pandas
Numpy	JavaScript

HOBBIES

Basketball (player and referee)
Cycling

LANGUAGES

French	Native speaker	English	B2
--------	----------------	---------	----