



THIBAUT MODRZYK

Deep Learning applied to Medical
Imaging PhD student

CONTACTS

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Github (personal projects) :

<https://github.com/PurplePopotam>

Gitlab (school projects) :

<https://forge.univ-lyon1.fr/p1719782>

HOBBIES

Video-games, workout, gardening,
painting, electronics, music

Drummer

SCIENTIFIC SKILLS

Theoretical skills

Master's degree : Data and Intelligence for Smart Systems

Claude Bernard Lyon 1 University | 2021 - 2023 | Lyon

Head of class, 2nd year of master taught entirely in English

Bachelor's degree in Computer Science

Claude Bernard Lyon 1 University | 2020 - 2021 | Lyon

With honours

Bachelor's degree in General and Applied Mathematics

Grenoble Alpes University | 2019 - 2020 | Saint martin d'Hères

Preparatory class for "Grandes Écoles" (CPGE)

Jean Perrin High-school | 2017 - 2019 | Lyon 7ème

Head of class during the 1st and 2nd year

Computer science elective course at the Lycée du Parc

Practical skills

Python : Advanced practice of several frameworks

Master's degree research internship about small dim infrared target detection
based on several state-of-the-art network architectures

Bachelor's degree project about a website recognizing mushroom species
based on image recognition through CNN (MobileNetV2)

Master's degree research project about the optimization of GPU kernel parameters
through machine learning

C/C++ : Regular practice of advanced notions during my studies

Personal project about training neural networks to play snake with a genetic algorithm

Toolchain and librairies : Pytorch, Tensorflow, OpenCV, Scikit-Learn, CMake, Git, Docker,
Kubernetes, MATLAB

OTHER SKILLS

Professional experiences

Artificial Intelligence / Computer vision intern at Thales LAS

Implementation and comparison of state-of-the-art neural network architectures
to compete with in-house algorithms in the task of small-dim infrared target detection

Intern GPU developer at the Laboratoire d'Informatique du Parallélisme

Porting of a FORTRAN kernel in CUDA

- Adaptability, research, autonomy

Mathematics teacher

Reinforcement courses for high-school students in Jean Perrin during my prep school years

- Responsibility, punctuality

Freelance digital artist : 3D modelism

Creation of 3D assets for video game professionals on the Fiverr platform

- Realization of estimates, project management, entrepreneurship, creativity

Language skills

Anglais : C1 level, regular practice during my master's degree and prep school.
TOEIC 970 points.

French : native speaker