

Gaëtan Serré

Intern at Centre Borelli - ENS Paris-Saclay

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Experience

Research intern

Centre Borelli - ENS Paris-Saclay Tutor: [Nicolas Vayatis](#)

Pre-PhD internship on global optimization methods for hyperparameter selection.

Apr. 2023 - Sept. 2023

Gif-Sur-Yvette, France

Research intern

LISN & RTE Tutor: [Isabelle Guyon](#)

Organized the 2022 edition of the reinforcement learning series of challenges [Learning to Run a Power Network](#).

May 2022 - Aug. 2022

Gif-Sur-Yvette, France

Research intern

LMF Tutor: [Jean-Christophe Filliâtre](#)

Improved [Why3](#), a software for deductive program checking.

May 2021 - Jun. 2021

Gif-Sur-Yvette, France

Education

ENS Paris-Saclay

M2 Mathématiques, Vision, Apprentissage

Notables courses: Statistical learning, Bayesian machine learning, Theory of deep learning, Random matrices theory, reinforcement learning.

Sept. 2022 - Aug. 2023

Gif-Sur-Yvette, France

Université Paris-Saclay

M1 Artificial Intelligence

Sept. 2021 - Aug. 2022

Gif-Sur-Yvette, France

Université Paris-Saclay

Double bachelor degree Mathematics & Computer science

Sept. 2018 - Aug. 2021

Gif-Sur-Yvette, France

Publications

Experimental Improvements of Global Optimization Algorithms for Lipschitz Functions 2023 - IPOL journal (submitted)

Reinforcement learning for Energies of the future and carbon neutrality: a Challenge Design 2022 - Pre-print

Conferences

NeurIPS, AutoML Decathlon 2022 solution presentation.

07 Dec. 2022 - New Orleans, USA

IEEE WCCI IJCNN, L2RPN 2022 presentation.

20 Jul. 2022 - Padova, Italia

Skills

Programming Languages

Python | C++ | OCaml | CUDA

Libraries

Pytorch | Tensorflow | SB3 | RLlib | Scikit-Learn | ONNX | Numpy | Matplotlib

Tools

Git | \LaTeX | Jupyter | SSH | Linux | macOS

Languages

Native: French | Fluent: English (TOEIC 945)