Gaëtan Serré
Intern at Centre Borelli - ENS Paris-Saclay

✉ gaetan.serre@ens-paris-saclay.fr • Gif-Sur-Yvette, France • ☎ +33 6 74 52 00 93

Experience

Research intern Apr. 2023 - Sept. 2023
Centre Borelli - ENS Paris-Saclay Tutor: Nicolas Vayatis Gif-Sur-Yvette, France
Pre-PhD internship on global optimization methods for hyperparameters selection.

Research intern May 2022 - Aug. 2022
LISN & RTE Tutor: Isabelle Guyon Gif-Sur-Yvette, France
Organized the 2022 edition of the reinforcement learning series of challenges Learning to Run a Power Network.

Research intern May 2021 - Jun. 2021
LMF Tutor: Jean-Christophe Filliâtre Gif-Sur-Yvette, France
Improved Why3, a software for deductive program checking.

Education

ENS Paris-Saclay Sept. 2022 - Aug. 2023
M2 Mathématiques, Vision, Apprentissage Gif-Sur-Yvette, France
Notables courses: Statistical learning, Bayesian machine learning, Theory of deep learning, Random matrices theory, Reinforcement learning.

Université Paris-Saclay Sept. 2021 - Aug. 2022
M1 Artificial Intelligence Gif-Sur-Yvette, France

Université Paris-Saclay Sept. 2018 - Aug. 2021
Double bachelor degree Mathematics & Computer science 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)