Thomas MICHEL

Born on 30/01/2000 in Aix-en-Provence, France
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Education

2023 – currently : Pursuing the master degree "Mathematics, Vision, Learning" (MVA) at École Normale Supérieure Paris-Saclay.
2022 – 2023 : Diploma "Research Year in Artificial Intelligence" (ARIA) at École Normale Supérieure Paris-Saclay.
2021 – 2022 : First year of a Master's degree in computer science at École Normale Supérieure Paris-Saclay.
2020 – 2021 : Bachelor's degree in Computer Science at École Normale Supérieure Paris-Saclay.
2018 – 2020 : Preparatory classes : two-year undergraduate intensive courses in mathematics and physics preparing for the national competitive exam for entry to top engineering schools.
June 2018 : High School Diploma with major in math and engineering.

Work experience and projects

- Research internship with Scool team at INRIA Lille supervised by Odalric-Ambrym Maillard and Debabrota Basu. Topic: *Developing Three-Risk-Proof Sequential Decision Making for Agricultural Decisions under Environmental Risks* (February – July 2023)
- Research internship at Centre Borelli laboratory in ENS Paris-Saclay supervised by Thibaud Ehret. Topic: *Image restoration through real noise modeling* (September 2022 – January 2023)
- Paper *"Regret Bounds for Satisficing in Multi-Armed Bandit Problems"* published in Transactions on Machine Learning Research (TMLR) (also presented in poster session at EWRL2022).
- Research internship at the Chair of Information Technology of the University of Leoben under the supervision of Ronald Ortner. Topic : *Algorithms for satisficing in reinforcement learning* (February – July 2022)
- Research internship with team FLOWERS at INRIA Laboratory in Bordeaux supervised by Masataka Sawayama. Topic : *Computational models for human multiple object tracking* (June – July 2021).
- Second year of preparatory classes project on the topic : *Algorithms for sea collision avoidance* (June 2019 – March 2020).
- Creation of the software *Simple OCaml* (An integrated development environment for *OCaml*).
- Finalist in the algorithmic contest Algorea 2015 (Organized by the association France IOI).

Languages

- French : Mother tongue
- English : Advanced (C1)
- Italian : Intermediate (B1)

Specific skills

- Proficiency in programming languages: Python (including Pytorch), C++, Ocaml
- During my studies, I had a specific interest in the following domains: Reinforcement Learning, Statistical Learning, Computer Vision, and Deep Learning.