

Thomas LOUIS-SARROLA

Student at Ecole Polytechnique

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EDUCATION

Master Year 2 - Probability and Finance <i>Sorbonne Université - Paris</i> Former DEA El Karoui.	2023 - 2024
Master's Degree in Engineering <i>École Polytechnique – Paris</i> France's leading school of science and engineering.	2020 - 2024
Classe Préparatoire aux Grandes Écoles – MPSI/MP* (Option Informatique) <i>Lycée du Parc – Lyon</i> A two year intensive program in mathematics and physics to prepare for nationwide competitive exams	2018 - 2020

EXPERIENCE

Research Assistant in Probability Theory <i>DMA, Ecole Normale Supérieure - Paris</i> 4-month internship under the supervision of Isabelle Gallagher. Navier-Stokes equations with random noise (stochastic differential equations).	2023
Research Assistant in Numerical Physics <i>Laboratoire de Physique, Collège de France – Paris</i> 1-year project under the supervision of Michel Ferrero and Thomas Ayrat.	2022 - 2023
Intern in Research and Development <i>ID Quantique – Geneva</i> 3-month internship. Research on random number generators (classical and quantum).	
Research Assistant in Mathematical Physics <i>CMLS (École Polytechnique) – Paris</i> Managed a team of four Polytechnique students, research on partial differential equations. Nominated for school award.	2021 - 2022
Volunteer <i>Le Rocher Oasis des Cités - Marseille</i> 6-month internship in Campagne Leveque, one of Marseille's biggest social outreach.	2020 - 2021

EXTRACURRICULAR ACTIVITIES

Teaching
Oral examiner in mathematica for student preparing competitive exams.

Sport
Basket-ball, *Captain of Polytechnique's team.*
Running, *Road and Trail.*

SKILLS

IT : Python, OCaml, Java, LaTeX.

Languages : French, English (international baccalaureate), German (intermediary).