

Alexandre Paresy

2nd year student at Ecole Polytechnique

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I am a student engineer in Ecole Polytechnique specialized in computer science. My favorite domains are algorithms and machine learning. In my free time, I also enjoy playing the violin and badminton. I can speak French, English and Chinese. Being motivated, creative and driven by curiosity, I am currently looking for an internship opportunity in the field of software engineering for the Summer of 2026

EDUCATION

- **Ecole Polytechnique, Cycle ingénieur polytechnicien** Palaiseau, France
Master's degree in France's top scientific school Sept. 2024 – Jul. 2028
 - **Relevant courses:** Statistics, Functional analysis, OOP in Java, Advanced programming in C++, Data analysis in Python, holomorphic functions
 - **Current GPA (as of September 2025):** 3.97/4
- **Classe Préparatoire aux Grandes Écoles, filière MPI** Lycée Louis-le-Grand, Paris, France
2-year preparation for the Grandes Écoles competitive exams. Sept. 2022 – Sept. 2024
 - **Mathematics:** Linear algebra, differential equations, real analysis, probabilities
 - **Computer science:** C, OCaml, SQL, concurrent computing, functional programming, automata, graph theory
 - **Physics:** Quantum mechanics, thermodynamics, electromagnetism, optics, electronics

CONTESTS AND AWARDS

- **Prologin**
France's most famous programming competition open to everyone under 21. Qualified for the finals, thus ranking in the top 100 among thousands of participants. 2025
- **Competitive exams for the Grandes Écoles**
Competed in the MPI (Mathematics, Physics, Informatics) track. Both exams can only be taken after two years of intense preparation after the baccalaureate and consist of a week-long written phase and another week-long oral phase. 2024
 - **X-ENS:** Most prestigious entrance exam for the Grandes Écoles, ranked 15th/408 .
 - **CCMP:** Ranked 15th/868.
- **Mathematical Kangaroo**
Nation-wide high school maths contest 2021-2022
 - **2021:** Ranked 54th/1388
 - **2022:** Ranked 6th/1704
- **Mathematics olympiads**
High school math competitions 2021-2022
 - **Olympiades de première:** Ranked 10th/740 in my region
 - **Coupe Animaths, Spring 2021:** Ranked 47th for the French math olympiads selection test

EXTRACURRICULARS

- **French cadet officer training**
As part of the École Polytechnique curriculum, I served in a French Navy unit for 6 months Sept. 2024 – Apr. 2025
- **Volunteer for iPho 2025 organization** Paris
Served as a team guide and helped organise the iPho 2025 July 2025
- **Competitive programming**
Enrolled in the Ecole Polytechnique ICPC preparation. Participated in the Louis-le-Grand algorithmic club. 2022-2025

PROGRAMMING SKILLS

- **Languages:** Python, C, Javascript, C++, SQL, Java, OCaml, PHP, HTML, CSS
- **Tools and miscellaneous:** Git, Linux (Mint), Unity, Docker