

# Alexandre Paresy

aparesy.github.io

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Second year student currently studying computer science, mathematics and physics at Ecole Polytechnique. Very interested in algorithms, problem solving and AI. Participated in the programming competition SWERC 2025 and ranked 24th in Southwest Europe. Currently looking for an internship for the Summer of 2026.

## EDUCATION

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Sept. 2024 – Jul. 2027

**Ecole Polytechnique, Polytechnician Engineering Program**

Palaiseau, France

Master's degree in France's flagship university in science and engineering

- Relevant courses : OOP in Java, Advanced programming in C++, Data analysis in Python, Formal logic, holomorphic functions, Statistics, Functional analysis
- Current GPA : 3.97/4

Sept. 2022 – Jul. 2024

**Preparatory class for Grandes Écoles**

Lycée Louis-le-Grand, Paris

2-year preparation for the Grandes Écoles competitive exams.

- Chose the MPI track, which is the most advanced track in computer science
- Studied C, OCaml, SQL, concurrent computing, functional programming, linear algebra, differential equations, Quantum mechanics, electronics
- Admitted into Polytechnique through the X-ENS exam, ranked in the top 15 in France.

Sept. 2019 – Jul. 2022

**Lycée du Parc**

Lyon, France

Baccalaureate diploma (high honors)

- Participated in the math club and trained for several competitions such as 11th grade olympiads (ranked in the top 10 students from AURA region) or the Animaths Cup (top 50 in France)
- Obtained my high school diploma at the age of 15

## EXPERIENCE

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Sept. 2024 – Apr. 2025

**French Navy**

Toulon, France

École Polytechnique's military training and personal development internship

- Served in the French Navy for 6 months as a cadet officer
- Developed soft skills such as leadership, communication and adaptability

July 2025

**iPho 2025 volunteer**

Paris

International Physics Olympiads

Served as team guide for the Singapore team, accompanying them throughout the event.

## INTERESTS AND SKILLS

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- **Competitive programming :** Represented Polytechnique et ICPC SWERC 2025, the Southwest Europe regionals for the largest programming competition gathering over 70000 students, and ranked 24th with my team. Advanced to round 3 in Meta Hacker Cup 2025, thus scoring among the top 1%. Prologin 2025 finalist (top 100 in France).
- **Problem solving :** Participated in the 2021 and 2022 edition of the French Mathematical Kangaroo, a fast-paced problem solving test, and ranked 54/1388 and 6/1704 respectively.
- **Music :** Played the violin for 10 years. Currently playing in the Saclay orchestra. Also played the piano for 4 years.
- **Sports :** Participating with the Polytechnique badminton team in the university tournament.
- **Languages :** French (fluent), English and Chinese (proficient), German (notions).
- **Programming languages :** C, C++, C#, CSS, HTML, Java, Javascript, OCaml, Python, PHP, SQL