Alexandre Paresy
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Currently studying computer science and mathematics at Ecole Polytechnique. I am mainly interested in algorithms, in which I am immersed via competitive programming, 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 a software engineering internship for the Summer of 2026.

EDUCATION

- **Ecole Polytechnique, Cycle ingénieur polytechnicien**   Palaiseau, France
  Master's degree in France's flagship university in science and engineering   *Sept. 2024 – Jul. 2028*
  - **Current GPA (as of September 2025)**: 3.97/4
  - **Relevant courses**: Statistics, Functional analysis, OOP in Java, Advanced programming in C++, Data analysis in Python, holomorphic functions

- **Classe Préparatoire aux Grandes Écoles, filière MPI**   Lycée Louis-le-Grand, Paris, France
  2-year preparation for the Grandes Écoles competitive exams.   *Sept. 2022 – Jul. 2024*
  - **Relevant courses**: Linear algebra, differential equations, C, OCaml, SQL, concurrent computing, functional programming, Quantum mechanics, thermodynamics
  - **Result**: Admitted into the most selective engineering school through the X-ENS exam, ranked 15th/408. Also passed the CCMP exam, ranked 15th/868

- **Lycée du Parc**   Lyon, France
  Obtained my high school diploma with high honors at the age of 15   *Sept. 2019 – Jul. 2022*

EXPERIENCE

- **French cadet officer training**
  École Polytechnique's personal development and military training period
  Went through basic training in the French Army   *Sept. 2024 – Apr. 2025*
  Served in the French Navy for 6 months

- **Volunteer for iPho 2025 organization**   Paris
  Served as team guide and helped organize the iPho 2025   *July 2025*

CONTESTS AND AWARDS

- **Competitive programming**
  Qualified to the 2025 finals in Prologin, France's most famous programming competition open to everyone under 21, thus ranking in the top 100 among thousands of participants.   *2022–2025*
  Enrolled in the Ecole Polytechnqiue ICPC preparation.
  Participated in Louis-le-Grand algorithmic club

- **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

PROGRAMMING SKILLS

- **Languages**: Python, C, Javascript, C++, SQL, Java, OCaml, PHP, HTML, CSS

- **Tools and miscellanous**: Git, Linux , Unity, Docker