

HANAFI Amjad

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Summary

Engineering student in Applied Mathematics & Computer Science with strong foundations in probability, advanced statistics, algorithms, and computational modeling. Member of IAPS and PLANCKS 2025 participant. Targeting a summer internship in London in quantitative finance, data science, or software engineering.

Education

Diplôme d'Ingénieur (Master's) — ENSEEIHT (INP N7), Toulouse SEP 2025 – JUN 2028

- Specializations: Applied Mathematics & Computer Science; Probability & Statistics (Digital Systems).
- Current studies: Data Analysis, Imperative Programming, Advanced Probability & Statistics.

Classes Préparatoires — Lycée Mohammed VI d'Excellence (LM6E) SEP 2023 – JUN 2025

- Track: MPSI/MP (Excellence). Top of class in Mathematics (MP).
- Admitted to ENSEEIHT via the national CCINP exam (MP), with written/oral exams in Mathematics, Physics, Chemistry, and Engineering Sciences.

Baccalauréat — Lycée Manarat Al Firdaous SEP 2022 – JUN 2023

- Sciences Mathématiques A; *Mention Très Bien* (Highest Honors).

Experience

Mathematics Tutor 2023 – 2025

- Taught high-school and CPGE-level calculus, linear algebra, and problem solving.
- Prepared students for competitive exams with structured practice sets and timed drills.

Projects

Numerical Methods Toolkit — CPGE practice PYTHON, NUMPY

- Implemented ODE/PDE solvers, root-finding, and interpolation; validated on classical physics problems with attention to numerical stability.

Algorithmic Problem-Solving Notebook C++/PYTHON

- Curated solutions and templates for DP, graphs, and number theory; documented approaches and complexity analyses.

Competitions & Awards

- **PLANCKS 2025 (Barcelona)**: Moroccan team; qualified after placing 3rd in Moroccan Pre-PLANCKS.
- **Moroccan National Physics Olympiad (2023)**: Finalist.
- **Concours Général de Mathématiques (2023)**: Participant.

Skills

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|---------------------|---|
| Programming | Python, Ada, C/C++, basic Bash |
| Quantitative | Probability, Advanced Statistics, Optimization, Numerical Methods |
| Data | Data analysis (analyse de données), Pandas, NumPy |
| Tools | Git, Linux, \LaTeX |
| Languages | English, French, Arabic; learning Italian (ENSEEIHT) |

Interests

Competitive problem solving, physics, quantitative finance, algorithmic trading (learning), sports.