

Ina Câmpan

First year Master's Student in General Engineering at ENSAE

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Education

Master of Science in General Engineering (*Diplôme d'Ingénieur Grande École*)

ENSAE (National School of Statistics and Economic Administration) - IP Paris

2024 – Present
Paris, France

- > Leading institution in graduate education in statistics, finance and data science
- > **Relevant Coursework** : Functional and Convex Analysis, Probability Theory, Statistics, Optimisation, Introduction to Macroeconomics and Microeconomics, Programming Project, Sociology

Bachelor's Degree in Mathematics and Computer Science

Sorbonne University, Faculty of Science and Engineering

2021 – 2024
Paris, France

- > **Valedictorian** at the end of the 1st year: Formal Sciences (*With Highest Honors*)
- > **Relevant Coursework** : Advanced Measure and Probability Theory, Numerical & Functional Analysis, Multilinear Algebra, Data Science, Database & PL/SQL, Data Structures, Cryptology, Introduction to Mathematical Epidemiology

Projects

Multidimensional Analysis of Preferences

Sorbonne University, Development project (*S4*), supervised by Olivier Spanjaard (LIP6)

February 2023 – June 2023
Paris, France

- > Implemented various multidimensional analysis algorithms, in an n -dimensional space, using pre-existing libraries (**scikitlearn**) and a solver (**Gurobi**), as part of a three-person group
- > Tested and researched data from the preferences library **PrefLib** and experimented **Voter Autrement** (*Voting differently*)

Professional experience

University Tutor

Student Contract with Sorbonne University

September 2023 – June 2024
Paris, France

- > Carried out tutoring sessions in **Data science** (LU11NMA001) and **Advanced mathematics** (LU1MA003) for around twenty first-year students
- > Improved students' **working methods** and constant search for new teaching techniques

Internship - Data Compression Methods

Jacques-Louis Lions Laboratory, supervised by Stéphane Labbé

July 2023 – August 2023
Paris, France

- > Applied image compression, using the Haar basis and wavelet transformation (with the algorithm developed, compression of more than **50% for the first level**)
- > Introduced an application concerning **calculations in electromagnetism**, starting from the Laplace equation

Leadership & Extra-curricular activities

Agora ENSAE (Student Association)

Co-President (*Since February 2025*)

September 2024 – Present
Palaiseau, France

- > Organized conferences attended by over 100 students, broadening the school's curriculum
- > Identified and contacted speakers and coordinated event logistics, aiming to foster **student debates**
- > Planned and moderated a roundtable on **gender inequalities** in engineering schools at the Paris-Saclay Summit 2025, featuring three guest speakers with diverse backgrounds and career paths

Skills

Technical Expertise Python (Pandas, NumPy, Scikit-learn), R, SAS, C, SQL, Java, OCaml, HTML, Assembly, UNIX, Gurobi, Git, LaTeX
Languages Bilingual in French and Romanian, Advanced in English, Notions in Spanish

Interests

Design Website design and online content creation

Sports Beginner fencer (2h weekly) ; Volunteer for the **Paris 2024 Games** - *Olympic Family Assistant*, from July 26th to August 12th