

# 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 & Activités

### 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