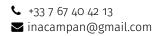
Ina Câmpan

First year Master's Student in General Engineering at ENSAE



in /ina-campan♠ /inaelenacampan➡ inaelenacampan.github.io/

Education

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

September 2024 – Present

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

Palaiseau, France

- > Leading institution in graduate education in statistics, machine learning, finance and data science
- > Relevant Coursework (GPA 4.0): Stochastic processes, Probability theory, Statistics, Optimisation, Macroeconomics and microeconomics, Econometrics, Surveys, Sociology
- > Volunteering : Vice-President of Fem'ENSAE (feminist association), Member of Agora ENSAE (conference association)

Bachelor's Degree in Mathematics and Computer Science

September 2021 - Mai 2024

Sorbonne University, Faculty of Science and Engineering

Paris, France

- > Valedictorian at the end of the 1st year: Formal Sciences (With Highest Honors)
- > Mention très bien (highest honors) at the end of my second and third year, both in BSc Mathematics and BSc Computer Science
- > **Relevant Coursework**: Advanced Measure and Probability Theory, Numerical & Functional Analysis, Multilinear Algebra, Data Science, Database & PL/SQL, Data Structures, Cryptology, Introduction to Mathematical Epidemiology

Internships

Collège de France - Research assistant

June 2025 - August 2025

Ecology & Evolution of Health Team (CIRB), supervised by Samuel Alizon and Olivier Supplisson

Paris, France

- > Deployed an **R-Shiny** interface for visualising the spatial epidemiology of genital ulcers attributable to herpes simplex viruses in France
- > Introduced to advanced statistical methods, including hierarchical Bayesian modelling and generalised additive models
- > Studied the problem of **spatial confusion** through the implementation of various spatial models and performed simulations for comparison purposes

Data Compression Methods - Research assistant

July 2023 - August 2023

Jacques-Louis Lions Laboratory, supervised by Stéphane Labbé

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

△ Professional experiences

Teaching assistant for undergraduate intensive courses in mathematics

September 2025 – Present

Student contract with two educational establishments

Île-de-France region, France

- > Gived **oral mathematics examinations** (4 hours/week) in first-year classes (MPSI and MP2I tracks)
- > Provided personalised assessment and support for students

Olympic Family assistant

July 2024 - August 2024

Paris, France

Volunteer in the GFS team of Paris 2024

> Provided linguistic assistance to the designated member, Mr. Barry Hendricks (President of SASCOC, South Africa)

> Assisted the designated member in their activities, facilitating **logistics** and **organization** using Paris 2024-specific applications and software, primarily for transportation management

Ç[®] 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 analogue photography

Sports Fencing and fitness (as part of my studies at ENSAE)