Ina Campan

1st year Master's student in General Engineering at ENSAE

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- French and Romanian
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- 18 octobre 2002 (21 years old)

🎓 Education

Master in General Engineering (Diplôme d'Ingénieur Grande École)   September 2024 – June 2027
ENSAE (National School of Statistics and Economic Administration) - IP Paris   *Paris, France*
> **Relevant Coursework** : Functional and convex analysis, Univariate descriptive statistics with SAS, Probability, Introduction to macroeconomics and microeconomics

Mathematics and Computer Science Double Major track   September 2021 – May 2024
Sorbonne University, Faculty of Science and Engineering   *Paris, France*
> **Valedictorian** at the end of the 1st year : Formal sciences (*Mention Très Bien*)
> *Mention très bien* 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

🧪 Projects

Multidimensional analysis of preferences   February 2023 – June 2023
Sorbonne University, Development project (S4), supervised by Olivier Spanjaard (LIP6)   *Paris, France*
> As part of a three-person group, implementation of various multidimensional analysis algorithms, in an n-dimensional space, using pre-existing libraries (**scikitlearn**) and a solver (**Gurobi**)
> Tests and research on data from the preferences library **PrefLib** and experimentation **Voter Autrement** (*Voting differently*)

Version management software   February 2023 – April 2023
Sorbonne University, Data structures (S4), group project   *Paris, France*
> Designed a software that takes up the functionalities of **Git** : GitAdd, GitCommit, Git checkout-commit / -branch, Git merge

📊 Professional experience

University Tutor   September 2023 – Ongoing
Student contract with Sorbonne University   *Paris, France*
> For 2 hours weekly, carrying out tutoring sessions in **Data science** (LU1INMA001) and **Advanced mathematics** (LU1MA003) for around twenty first-year students
> Improvement of students' **working methods** and constant search for new teaching techniques

Adfaber NGO   February 2023 – December 2023
Volunteer, online   *Bucharest, Romania*
> Created courses (*Introduction to programming*) and online scientific workshops for Romanian high school students
> Participated as a judge in the international competition **Technovation Girls**

Internship - Data Compression Methods   July 2023 – August 2023
Jacques-Louis Lions Laboratory, supervised by Stéphane Labbé   *Paris, France*
> Application on image compression, using the Haar basis and wavelet transformation (with the algorithm developed, compression of more than **50% for the first level**)
> Introduction to an application concerning **calculations in electromagnetism**, starting from the Laplace equation

⚙️ Skills

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

👤 Interests

Aerospace Engineering Member of the Top Aero aeronautics and aerospace student association, between 2021 and 2023
Sports Volunteer for the **Paris 2024 Olympic Games** - *Olympic Family Assistant*, from July 26th to August 12th
Film photography