

Augustin Cablant

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I am a third year student @ ENSAE Paris (École Nationale de la Statistique et de l'Administration Économique) & MVA (Master Vision Apprentissage), and I am strongly interested in Statistics, Machine Learning and Deep Learning.

Personal Profile

Self-reliant and highly organized French graduate student currently enrolled in the mathematics and statistics program at ENSAE. I am applying for the Master "Préparation à l'agrégation Enseignement des mathématiques" at Université Grenoble Alpes.

Education

ENSAE Paris - Institut Polytechnique de Paris & ENS Paris-Saclay (MVA)

Palaiseau & Saclay, France

Master's in Engineering Sciences (GPA: 4.0/4.0)

Sept 2022 - April 2025

- Leading institution in higher education in mathematics, statistics, data science, and finance
- Courses:** Statistics, Probability Theory, Econometrics, Stochastic Modeling, Differentiable Optimization, Theoretical Foundations of Machine Learning, Deep Learning, Linear Time Series, Simulation and Monte Carlo Methods, Microeconomics, Macroeconomics

Lycée Privé Sainte Geneviève

Versailles, France

Intensive Undergraduate Course in Advanced Mathematics and Advanced Geopolitics

Sept 2020 - July 2022

- Intensive courses for highly selective admission to French higher education institutions

Research Experiences & Projects

Research project in applied statistics

Palaiseau, France

ENSAE Paris

Sep 2023 - Current

Work on the link between political opinions and social inequalities through a database provided by the European Social Survey.

Computer science project

Palaiseau, France

ENSAE Paris

Jan. 2023 - April 2023

- Optimisation of a transport network : Use of Python, graph theory and optimization. Here is a link to the [project report](#).
- First-year physics project applied to social sciences. Our article used a simulation based on the Minority Game model and the Santa Fe artificial Market. Here is a link to the [project report](#).

Computer science project

Palaiseau, France

ENSAE Paris

Sep. 2023 - December 2023

- Creation of a python package to calculate an optimal route for an electric car based on electric charging points in France. Here is a link to the [project](#).

Work Experiences

EDF (Under the supervision of Christine Arzano)

Fontainebleau, France

Research internship (June-October 2024)

June 2024 - Oct 2024

- Prediction of Energy Consumption using statistical methods and Machine Learning methods.

CREST (Under the supervision of Mr. Visser and Linnemer)

Palaiseau, France

Research internship (June-September 2023), Assistant Researcher (From September until now)

June 2023 - Sept 2023

- The purpose of the internship is to conduct a study on a sample of the population that sold their property for life. Here is a link to my [github repository](#).
- Developed skills: use statistical tools, perform data analysis, process a database, use python, R or Stata, perform modelling and non-parametric estimation.

SELF-EMPLOYED

Paris, France

Freelance

September 2022 - August 2023

- **Tutor for students** in preparatory classes : Tutoring students to pass the entrance exams to French engineering and business schools.
- Mathematics editor at **MAJOR PREPA** : Writing mathematical content with Latex in order to help prep HEC students. [One example here, another.](#)
- Editor for Business cool : Writing for a website to promote my school. [Have a look](#)
- **Head Teacher** for a French edtech start-up funded by Sequoia Capital (Studeo) : Writing teaching materials in mathematics and physics for high school and undergraduate students; Leading the creation of computer science courses for undergraduate students ; Development of Studeo through the writing of commercial content.

Hugues Veillet's company

Domancy, France

Carpenter

July 2017 - August 2017 // July 2018 -

August 2018

- Accompanying a carpenter during the summer
- Manage projects independently with initiative

Skills & Interests

Programming Python (Pandas, Scikit-learn, PyTorch, NumPy. etc.), R, C++, STATA, SAS, here is [my Github](#).

Languages English (Bilingual proficiency), French (Native proficiency), Spanish

Student life Vice-President of the Sports Office of ENSAE Paris
Treasurer at ENSAE FORUM

Running Participation in the French Cross-Country Championships, 10km race, and half-marathon. Finisher of the Rennes Marathon, the Eco Trail de Paris, and the YCC race.

Interests Road races, Cross-Country, Trails, cycling, swimming, Travelling, Reading