



AURÉLIEN PARDO

GRADUATED WITH A MASTER'S DEGREE IN MATHEMATICAL MODELING AND APPLIED ANALYSIS, I AM ACTIVELY SEEKING A PH.D. IN APPLIED MATHEMATICS.



PERSONAL PROFILE

Passionate about mathematics and its various applications, I am always eager to learn more and develop new skills.

SKILLS AND EXPERTISE

- Mathematical Modeling
- Numerical Methods
- Statistical Methods and Learning
- Data Analysis
- Python: Numpy, Pandas, Scikit-Learn, Statsmodels, PyTorch, Matplotlib
- C++, C
- R
- MatLab, Scilab
- SQL
- LaTeX, Markdown

LANGUAGES

-  French: Mother tongue
-  English: Professional competence

PERSONAL INFORMATION AND CONTACT DETAILS



25 years old



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165 Chemin de Beylin ,
84240 La Bastide des Jourdans



Permis B -Personal vehicle



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FORMATION

- **Master of Engineering program from Savoie Mont-Blanc University (Chambéry 2019-2024)**
- **Master's degree in applied mathematics, mathematical modelling and applied analysis (2022-2024)**
- **Master 2 Erasmus at the University of Torino(2023-2024)**
 - 1.**Courses:** Bayesian Statistics, Stochastic Differential Equations, Statistical Machine Learning, Data Mining.
 - 2.**Tools:** Python (Pandas, Statsmodels), R.
 - 3.**Machine Learning Projects:**
 - Prediction of supermarket sales across different countries.
 - Analysis of COVID-19 data using time series.
- **Master 1 CMI (2022-2023)**
 - 1.**Courses:** Martingales and Markov Chains, Time Series, Optimization, PDEs, Mathematical Modeling, Multivariate Statistical Analysis.
 - 2.**Tools:** Python, Matlab, C++.
 - 3.**Python and Machine Learning Projects:**
 - Modeling the heat equation in closed spaces.
 - Classification of flight delays in the United States.
- **Bachelor's Degree in Mathematics CMI (2019-2022)**
 - 1.**Courses:** General Mathematics, Physics, Chemistry, Computer Science, Engineering Sciences.
 - 2.**Tools:** Python, Java, Ada, Web Programming Languages.
 3. **Mathematics Research Project:**
 - Nowhere Differentiable Continuous Functions, with modeling in Python.
- **Bac S with high honours/ Lycée Val de Durance (Pertuis-2018)**

PROFESSIONAL EXPERIENCE

Mathematics Teacher at Acadomia (Since October 2024)
Teaching mathematics to high school students.

Final Internship at CFAST (Telecom Systems Management, March 2024 - September 2024)
"Implementation of Machine Learning and Artificial Intelligence algorithms for a telecommunications database."

Research Internship at Institut Fresnel (May 2023 - July 2023)
"Proximal approach for accelerating MRI acquisition."(Python development, Deep Learning with PyTorch).

Mathematics Tutor (University of Savoie Mont-Blanc, 2022)
Conducted courses and provided personalized academic support for first-year undergraduate students.

INTERESTS AND HOBBIES

Sports : Football, Handball, Esports.
Culture : Cinema, Music.