

Hugo Jeannin

PHD STUDENT · APPLIED MATHEMATICS

University of Bordeaux, France

✉ hugo.jeannin@u-bordeaux.fr

Education

University of Bordeaux

Bordeaux, France

PHD APPLIED MATHEMATICS

2024 - present

- Advisor: Pascal Vallet, Guillaume Ginolhac and Florent Bouchard
- Subject: High-Dimensional Statistics and Random Matrix Theory: Applications to Hyperspectral Imaging
- Research interest: Random matrix theory, high-dimensional statistics and machine learning

CentraleSupélec, University Paris-Saclay

Gif-sur-Yvette, France

MS APPLIED MATHEMATICS

2019 - 2023

- Probability theory, statistics, optimisation, machine learning and PDE

Lycée Lakanal

Sceaux, France

PREPARATORY CLASS

2017 - 2019

- Mathematics, theoretical physics and chemistry

Professional Experience

Université Grenoble-Alpes

Grenoble, France

RESEARCH ENGINEER

February 2024 – August 2024

- Developed statistical methods for high-dimensional genomic data analysis

International Laboratory on Learning Systems (ILLS)

Montreal, Canada

RESEARCH INTERNSHIP

July 2023 – December 2024

- Developed and implemented graph neural network methods for few-shot molecular classification

RTE (French power grid network)

Paris, France

RESEARCH INTERNSHIP

February 2022 – June 2022

- Developed a new operations research method to optimize the replacement of components on the network

Publications

PUBLISHED

Philippe Formont, Hugo Jeannin, Pablo Piantanida, Ismail Ben Ayed. *A Strong Baseline for Molecular Few-Shot Learning* (2025). Transactions on Machine Learning Research.

Hugo Jeannin, Florent Bouchard, Pascal Vallet, Guillaume Ginolhac, Audrey Giremus. *On the endmembers detection for hyperspectral imaging in the high-dimensional regime* (2024). EUSIPCO.

Technical Skills

PROGRAMMING

- Python (NumPy, SciPy, PyTorch), R, MATLAB

TOOLS

- LaTeX, Linux, Git

LANGUAGES

- French, English (C1), German (B2)