

# Nicolas Girard

Ph.D. Student in Applied Probability  
Geosciences Center - Mines Paris - PSL

35 rue Saint-Honoré - Fontainebleau  
nicolas.girard1@minesparis.psl.eu

## RESEARCH AREAS

Statistical Seismology, Point Process, Fault Mechanism, Seismic Hazard, Bayesian Inference.

## PH.D. THESIS

Title	Physics-informed statistical modeling of earthquakes.
University	Mines Paris - PSL.
Supervisor n°1	Pierre Dublanchet, Geosciences Center, Mines Paris - PSL.
Supervisor n°2	Mike Pereira, Geosciences Center, Mines Paris - PSL.
Unit	Geosciences Center, Mines Paris - PSL, Fontainebleau.
Team	Geophysics and Geostatistics Team.
Fellowship	Allowance from Mines Paris - PSL (Octobre 2023–26).

## EDUCATION

2022-23 Research master's degree - AI & Data Sciences (IASD), Université Paris-Dauphine - PSL.  
2020–22 Engineering degree - Quantitative Finance, EFREI.  
2017–20 Bachelor's degree - Applied Sciences & Software Engineering, ESEO.

## WORK EXPERIENCE

2023 Researcher, MICS Laboratory, CentraleSupélec - Université Paris-Saclay (6-month internship).  
2022 Researcher, IRS Quantitative Trading Desk, Crédit Agricole CIB (6-month internship).  
2021 Data scientist, IRS Quantitative Trading Desk, Crédit Agricole CIB (6-month internship).  
2020 Data engineer, Data Technology, Capital Fund Management (6-month internship).

## TEACHING EXPERIENCE

### Mines Paris - PSL

2023 Assistant lecturer - Probability, 3rd year of bachelor's degree (9h).

## SKILLS

### Language

French (Certification Voltaire : 860/1000), English (TOEIC : 830/990).

### Office suite

Excel, Word, PowerPoint, PowerBI,  $\text{\LaTeX}$ , GitLab.

### Programming

Python, R, Matlab, SQL.