Nicolas Girard

Ph.D. Student in geophysics / geostatistics
Geosciences Center - Mines Paris - PSL

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RESEARCH AREAS

Statistical seismology, Point process, Fault mechanism, Seismic hazard, Bayesian inference

PH.D. THESIS

Title	Physics-informed statistical modeling of earthquakes
University	École des Mines de Paris - Université 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	Quantitative 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, LaTeX, GitLab

Programming

Python, R, Matlab, SQL