

Flore Sentenac

PhD Student, CREST, ENSAE Paris

+33 6 74 90 26 36

✉ flore.sentenac@polytechnique.edu

<https://floresentenac.github.io/>

Work Experience

Research

- 09/20–current **PhD Student**, CREST, ENSAE Paris, Palaiseau.
PhD title : "Online Matching in Random Graphs".
Supervisor : Vianney Perchet.
- 06/22–10/22 **Research intern**, DeepMind, London.
Study of Partial Monitoring, Foundations team.
- 09/19–09/20 **Research engineer**, ENS Paris-Saclay, Cachan.
Supervisor : Vianney Perchet.
- 04/19–08/19 **Master Thesis**, ICM (Institut du Cerveau et de la Moelle Epinière), Paris.
Bayesian mixed-effects models.
- 04/17–08/17 **Research Internship**, Polytechnique Montréal.
Machine Learning for Integer Linear Programming, under the supervision of Andrea Lodi.

Teaching

- 09/20– **Teaching Assistant**, ENSAE Paris.
Statistics, Functional Analysis, Machine Learning, Optimization.

Miscellaneous

- 09/17–05/18 **Elum Energy**, R&D Internship, Paris.
Solar production prediction, Optimization of energy systems.
- 06/16–08/16 **L'Oréal Chile**, Internship, Santiago.
Supply chain optimization.

Education

- 2018–2019 **Master 2 (MVA)**, École Normale Supérieure Paris-Saclay, Cachan, France.
Research oriented Master in Computer Vision and Machine Learning.
- 2014–2017 **Ecole Polytechnique**, Paris.
Generalist Engineering Diploma, Bachelors in Mathematics, Master 2 in Applied Mathematics.
- 2012–2014 **Classes préparatoires of lycée Hoche**, Versailles, France.
Mathematics and Physics (MPSI-MP*).

Awards

- 2022 **Fondation L'Oréal-UNESCO 2022 French Young Talents**.
35 women scientists at PhD and post-doctoral level selected among more than 600 applicants from various scientific fields. The prize is a 15 000 € grant.

Publications

Accepted in peer reviewed proceedings of conferences

- 2021 **Pure Exploration and Regret Minimization in Matching Bandits**.
with Jialin Yi, Clément Calauzènes, Vianney Perchet and Milan Vojnovic, spotlight at *ICML 2021*.
- 2021 **Decentralized Learning in Online Queuing Systems**.
with Etienne Boursier and Vianney Perchet, spotlight at *NeurIPS 2021*.
- 2021 **Online Matching in Sparse Random Graphs**.
with Nathan Noiry and Vianney Perchet, poster at *NeurIPS 2021*.

Preprints

- 2022 **Robust Estimation of Discrete Distributions under Local Differential Privacy.**
with Julien Chhor.
- 2022 **Static Scheduling with Predictions Learned through Efficient Exploration.**
with Hugo Richard, Corentin Odic, Mathieu Molina, Vianney Perchet.

Skills

Code **Python, Git, LaTeX.**

Languages **French, English, Spanish (conversational), Russian, Arabic and Chinese (basics).**