

Julien ZHOU

PhD Student

☎ +33 6 31 54 21 66
✉ julien.zhou@inria.fr
<https://jlnzhou.github.io>

Research Interests: Probability, Statistics, Optimisation, Machine Learning, Online Learning, Bandits Theory

Publications

Towards Efficient and Optimal Covariance-Adaptive Algorithms for Combinatorial Semi-Bandits, *NeurIPS*, 2024

Experience

- Nov. 2022 – **PhD Student**, *Criteo & Inria*, Grenoble, France
2025 Research on bandits theory and online learning in general.
Supervision: Pierre Gaillard, Julyan Arbel and Thibaud Rahier.
- Apr. 2022 – **Research Intern**, *Criteo*, Grenoble, France
- Sept. 2022 Research on contextual bandits algorithms.
Conception, analysis and implementation of efficient algorithms.
- Feb. 2020 – **Research Intern**, *Réseau de Transport d'Electricité*, Paris, France
July 2020 Simulation of time series for different types of energy production (Nuclear, Solar, Wind), taking their constraints into account.

Education

- Nov. 2022 – **PhD Student**, *Criteo & Inria*, Grenoble, France
2025 Affiliated to the Thoth and Statify teams at Inria.
- 2021 – 2022 **Research Master's Degree**, *Université Paris-Saclay*, Paris, France
Statistics and Machine Learning (MdA – StatML).
- 2015 – 2020 **Centrale Paris Engineer**, *CentraleSupélec*, Paris, France
Specialized in Applied Mathematics (OMA).
- 2015 – 2016 **Bachelor's Degree**, *Université Paris-Sud*, Paris, France
Bachelor's Degree in Fundamental and Applied Mathematics.
- 2013 – 2015 **CPGE**, *Lycée Louis le Grand*, Paris, France
Classes Préparatoires aux Grandes Ecoles (MPSI, MP*, focus on Computer Science).

Teaching

- 2023 – 2024 **Mathematical Foundations of Machine Learning**, *Université Grenoble-Alpes*, Grenoble, France
Master's level, Online Learning and Reinforcement Learning, 3h practical sessions.
- 2024 – 2025 **Analysis**, *Université Grenoble-Alpes*, Grenoble, France
Bachelor's level, 24 hours practical sessions.

Skills

Languages

French
English

Computer Skills

Python
R
C++