

# Curriculum vitae

Matthieu Petiteau

2025-12-10

## Education

**PhD in Graph Theory** (*ongoing*) *Grenoble-Alpes University, 2023-2026*

**Engineer's degree in Informatics and Applied Mathematics** *Grenoble-INP, Ensimag, 2020-2023*

**Master's degree in "Operations Research, Combinatorics and Optimization"**  
*Grenoble-Alpes University, 2022-2023*

## Publications

**Note about the complexity of the acyclic orientation with parity constraint problem**  
with S. Gravier and I. Sivignon. *Accepted up to minor revision in Discrete Applied Mathematics on September 08 2025.*

[Hal](#) [arXiv](#)

## Talks

Journées Graphes et Algorithmes *JGA 2025* (Paris, France), 18-21 November, 2025, Talk : **Constrained acyclic orientations of grids**

European Conference on Combinatorics *Eurocomb'2025* (Budapest, France), 25-29 August, 2025, Talk : **Graph reconstruction from queries on triples** [Hal](#)

Combinatorial-Optimisation Team Seminar (*G-SCOP*, Grenoble, France), 10 July, 2025 Talk : **Graph reconstruction from queries on triples of vertices**

Journées Graphes et Algorithmes *JGA 2024* (Dijon, France), 19-22 November, 2024, Talk : **About the complexity of the acyclic orientation with parity constraint problem**

Graphs and Complexity days 2025 (Lyon, France), 7-8 April, 2025

GaLac Team Seminar (*LISN*, Paris, France), 24 May, 2024, Talk : **About the complexity of the acyclic orientation with parity constraint problem**

Summer school Graphs and Algorithms *EPIT 2024*, (Aussois, France), 13-17 May, 2024

## Supervision Experiences

**Management and leading of a research project**  
*Centrale Supélec, 2025 - M2 Research careers*

## Diffusion of mathematics

**Member of the federation "Math à Modeler"**

*Grenoble and its surroundings, Paris, Bordeaux, Marseille and Saint-Maurice, 2023-*

Outreach activities aimed at diverse audiences to explore and think over actual research problems through material manipulations.

**Classroom workshop** : *Middle School "Sainte-Marie Lyon"* La Verpillière (2025)

**Booth :** “*Salon des jeux mathématiques*” Paris (2025,2024,2023); “*Festival Remue-Méninge*” Grenoble (2025,2024,2023); “*Fête de la science*” Grenoble (2025), Valence (2024,2023)

## Other Experiences

**Research Internship in graph theory**

*Institut Fourier, 5 month, 2023*

**Internship to improve the debugging tools of Alma Nesting team**

*Alma, 3 month, 2022*

**Software project, development of a compiler for a sub-language of Java**

*Ensimag, 1 month, 2022*

**Supply-chain internship**

*Schneider electric, 1 month, 2021*

**Software project in C, graphic interface development**

*Ensimag, 1 month, 2021*