

# 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*  
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**
- 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

### **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*