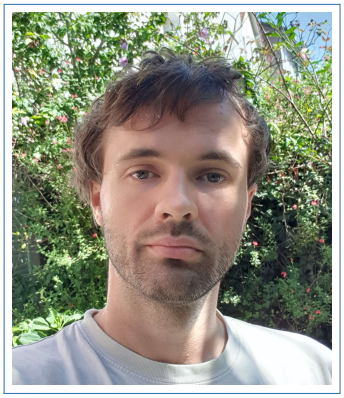

Jonas Sénizergues

Computer Scientist

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Research interests

Graph theory
Graph algorithms
Distributed algorithms
Autostabilization
Byzantine fault tolerance
Game theory

Employment

2023-2024 **Teaching Assistant**, *Université de Bordeaux*
2021-2022 **Teaching Assistant**, *ENSIIE*
2018-2021 **PhD student**, *Université Paris-Saclay*
2016-2017 **Math Teacher in highschool**, *Bondoufle*

Diplomas

2022 **PhD**, *Computer Science*, Université Paris-Saclay
2015 **ENS diploma**, ENS Cachan
2014 **Agrégation de Mathématiques**, *(a prestigious mathematics competitive exam in France)*
2013 **Master**, *Computer Science*, MPRI
2011 **Licence**, *Computer Science*, ENS Cachan

Curriculum

2018–2022 **PhD**, *LISN*, Université Paris-Saclay, Orsay
2014–2015 **Master BIBS (as auditor)**, *Université Paris-Sud*, Orsay
2013–2014 **Training for the Agrégation de Mathématiques competitive exam**, *ENS Cachan*, Cachan
2011–2013 **Master in Computer Science**, *MPRI*, Paris
2010–2013 **Computer Science**, *ENS Cachan*, Cachan
2008–2010 **CPGE**, *Lycée Michel Montaigne*, Bordeaux

Languages

French Native speaker
English Fluent
Spanish B1
Japanese A2

Programming languages

- ssr-Coq
- OCaml
- Python
- Java

Publications and Preprints

2023 **Making Self-Stabilizing Algorithms for any Locally Greedy Problem**, *Johanne Cohen, Laurence Pilard, Mikaël Rabie and Jonas Sénizergues*, SAND 2023

2021 **Self-Stabilization and Byzantine Tolerance for Maximal Independent Set**, *Johanne Cohen, Laurence Pilard and Jonas Sénizergues*, SSS 2021

2014 **Formalization of Shannon's Theorems**, *Reynald Affeldt, Manabu Hagiwara, and Jonas Sénizergues*, JAR 2014

Submitted to dmtcs[1] **Minimum Colored Maximum Matchings in vertex-colored Graphs**, *Johanne Cohen, Yannis Manoussakis and Jonas Sénizergues*

To be submitted[1] **Self-Stabilization and Byzantine Tolerance for Maximal Independent Set (journal ver.)**, *Johanne Cohen, Laurence Pilard, François Pirot and Jonas Sénizergues*

To be submitted[1] **Byzantine tolerance for Minimal Clique Decomposition**, *Johanne Cohen, Laurence Pilard and Jonas Sénizergues*

[1] A version of these works are available in my PhD manuscript *Independent sets and beyond, through the prism of distributed systems and colored graphs.*