

# Manon Sourisseau

PhD student in Computer Science  
at University of Rennes

Rennes

France

\* 12 December 2000

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🐱 ManonLittleMouse

## Experiences

- starting October 2023 **Ph.D. in Computer Science**, *WIDE team*, University of Rennes, France  
"Byzantine-tolerant Netcodes for tomorrow's Metaverse"  
Supervision: François Taïani, David Bromberg, Jérémie Decouchant
- January–July 2023 **Research internship**, *Byzantine network partition detection*  
24 Weeks, Master thesis. WIDE team, IRISA/INRIA, Rennes, France  
Supervision: François Taïani, David Bromberg, Jérémie Decouchant
- May–July 2022 **Research internship**, *Data center's monitoring systems: Uses and impacts*  
11 weeks, ADSL team, Umeå University, Sweden  
Supervision: Paul Townend and Erik Elmroth
- Sept-2021 – May 2022 **Semester research project**, *Building blocks for fog applications in resources-scare environnement*  
IRISA/INRIA, Rennes, France  
Supervision: Marin Bertier and Cedric Tedeschi
- May–July 2021 **Research initiation internship**, *A new distributed algorithm token based for group mutual exclusion*  
11 weeks, IRISA/INRIA, Rennes, France  
Supervision: Marin Bertier and Cedric Tedeschi

## Education

- 2022–2023 **Master's Degree in Computer Science (Second year)**, *ENS Rennes*, Rennes, France  
(M2 SIF) Advanced Cloud Architecture, Models and Algorithms for distributed systems and software, Images representation, Scalable network infrastructures, Advanced Data analysis and modeling, Supervised machine learning, Optimizing and parallelizing compilers.
- 2021–2022 **Master's Degree in Computer Science (First year)**, *ENS Rennes*, Rennes, France  
(M1 SIF) Systems, Compilers, Game theory, Formal analysis, Complexity theory, Cloud and Big Data, Information theory, OS, Computer graphics, Epistemology. *Rank: 6/23*
- 2020–2021 **Bachelor's Degree in Computer Science**, *ENS Rennes*, Rennes, France  
(L3 SIF) Programming, Systems, Statistics, Advanced algorithms, Formal languages, Logic  
Optional classes: Distributed algorithms, Security, Image processing, Image generation.
- 2018–2020 **MPSI/MP Preparatory classes**, *Lycée Clemenceau*, Nantes, France  
Mathematics/Physics specialization, computer science optional class.
- 2017–2018 **Scientific Baccalaureate**, *Lycée international Nelson Mandela*, Nantes, France  
Mathematics specialization. Honors: *summa cum laude*.

## Publications

### Submissions

**Partition Detection in Byzantine Networks**, *M.Sourisseau, F.Taïani, D.Bromberg, J.Decouchant*  
submitted to ICDCS (IEEE International Conference on Distributed Computing Systems), 2024

## Skills

- Programming language Python, OCaml, Java, C/C++, Scala, Isabelle/HOL, SQL
- Tools Openstack, L<sup>A</sup>T<sub>E</sub>X, Git, VScode, Pack Office, Linux
- Language **French** native tongue ; **English** fluent

## Interests

- Informatics Faults tolerance, Distributed Systems, Distributed algorithms, Networks, Security, Systems
- Personal Driver license, Music (Violon - degree of Nantes conservatory), Travels, Video games/Board games, Drawing