

Margot Catinaud

Curriculum Vitae

École Normale Supérieure de Paris-Saclay
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Employment

- Oct. 2023 – **PhD Student and Teaching Assistant**, *Laboratoire Méthodes Formelles*, Gif-sur-Yvette, France.
(ongoing)
- Nov. 2022 – **Engineer position**, *Laboratoire Méthodes Formelles*, Gif-sur-Yvette, France.
Sept. 2023
- Mar. 2022 – **Research Intern**, *INRIA, Prosecco team*, Paris, France.
Aug. 2022

Education

- 2023 - **PhD**, Université Paris-Saclay, under supervision of Caroline Fontaine and Guillaume Scerri.
(ongoing)
Title: *Mecanized proof of electronic voting protocols.*
- 2020–2022 **Master (M.Sc.)**, *MPRI (Parisian Master in Computer Science Research)*, Université Paris Diderot (Paris VII).
- 2019–2020 **Licence (B.Sc.)**, *Licence L3 - Mathematics*, Université Pierre et Marie Curie (Paris VI).
- 2016–2019 **Classes préparatoires aux grandes écoles**, Lycée Camille Guérin, Poitiers, France.
Major: Mathematics

Scientific work

International Peer-Reviewed Conferences

- [CFS'26] **Proving e-voting mixnets in the CCSA model: zero-knowledge proofs and rewinding**, *Margot Catinaud, Caroline Fontaine, Guillaume Scerri*, Submitted, CSF, 2026.

Thesis

- 2022 **Master thesis (M2 - MPRI)**. *Reducing memory consumption of PROVERIF with hash consing techniques.*

Talks

- 2025 **Pesto seminar - LORIA** *Insights from formal proofs of e-voting mixnets.*
- 2024 **GT MFS days 2024** *Proving e-voting mixnets in the CCSA model: zero-knowledge proofs and rewinding.*
- 2024 **PEPR SVP days 2024** *Proof of a mixnet in the Computationally Complete Symbolic Attacker (CCSA) model.*

Teaching

- 2024 - 2026 *Algorithmique 2*. École Normale Supérieure de Paris Saclay - DER Informatics - L3.
- 2024 - 2026 *Mathématiques discrètes*. École Normale Supérieure de Paris Saclay - DER Informatics - L3.
- 2024 - 2026 *Sécurité*. École Normale Supérieure de Paris Saclay - DER Informatics - M1.
- 2023 - 2024 *Génie logiciel* (C++ course). IUT de Cachan - GEII department.