

Gaëtan Regaud

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I am currently a fourth year computer scientist student at ENS Rennes. I am studying at MPRI. I am interested in formal verification, automata theory, formal methods and complexity theory.

Education

MSc. Computer Science , MPRI (2nd year)	Sept 2025 – March 2026
Internships:	
• Aalborg university, Aalborg, Denmark	Sept 2024 – Dec 2024
• IRIF, Paris, France	Jan 2025 – July 2025
MSc. Computer Science , ENS Rennes (1st year)	Sept 2023 – May 2024
BSc. Mathematics , University of Rennes	Sept 2022 – June 2024
BSc. Computer Science , ENS Rennes	Sept 2022 – June 2023
CPGE MSPI/MP* , Lycée Pierre de Fermat	Sept 2019 – June 2022

Internships

Reactive synthesis for systems with data from modal mu-calculus specifications under the supervision of Léo Exibard and Arnaud Carayol, LIGM	Champs-sur-Marne, France March 2026 – July 2026
An algebraic theory for weighted languages over infinite words under the supervision of Thomas Colcombet, IRIF	Paris, France Jan 2025 – July 2025
Complexity of decision problems for Hyperlogics under the supervision of Martin Zimmerman, Aalborg University	Aalborg, Denmark Sept 2024 – Dec 2024
Quantifier elimination for Presburger arithmetic under the supervision of Christoph Haase, Oxford CS Department	Oxford, UK May 2024 – July 2024
History-determinism in parity timed automata (1-year research project) under the supervision of Uli Fahrenberg and Nicolas Markey, INRIA	Rennes, France Sept 2023 – May 2024
Complexity of decision problems for Plan Logic under the supervision of Dylan Bellier and Sophie Pinchinat, INRIA	Rennes, France June 2023 – July 2023

Publications

The Complexity of Second-order HyperLTL. with Hadar Frenkel and Martin Zimmermann, accepted for publication in Logical Methods in Computer Science 🔗 , PDF(arXiv) 🔗	Jul 2025
The Complexity of Generalized HyperLTL with Stuttering and Contexts. with Martin Zimmermann, GandAlf 2025 🔗 , PDF 🔗	Apr 2025
The Complexity of HyperQPTL. with Martin Zimmermann, accepted for publication in Information Processing Letters 🔗 , PDF 🔗	Dec 2024

Perso

Skills: C, C++, Java, OCaml, Python
Languages: French (native), English, Spanish
Tutoring: High-school tutor in maths and computer science in Rennes
Perso: Secretary of Sinfonie (Student organization of ENS CS students)