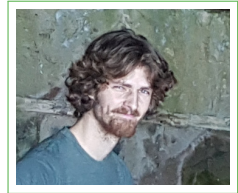


# Théo Losekoot

Rennes, France  
✉ tokoot@posteo.com  
🏠 perso.eleves.ens-rennes.fr/people/theo.losekoot/  
Birthdate: 1998-11-06  
Citizenship: French



## Research experience

- 2021-2024 **PhD**: “Automatic verification of functional programs using regular relations”, with Thomas GENET and Thomas JENSEN, *IRISA, Rennes, France*
- 2021 Six-month **internship** in the Celtique team, supervised by Thomas Genet and Thomas Jensen, “Verifying functional programs with regular relations”, *Irisa, Rennes, France*
- 2020 Two-month **internship** in the Knowledge Processing and Information Systems team, supervised by Torsten Schaub and François Laferriere, “The use of automata for integrity-constraints checking in temporal Answer Set Programming”, *Potsdam, Germany*
- 2018 Two-month **internship** in the research team LOGICA, supervised by Tristan Charrier, “The use of Dynamic Epistemic Logic for searching bounded strategy in games with imperfect information”, *Report link here, Irisa, Rennes*
- 2017 Two-month **internship** in the research team LACODAM, supervised by Éliisa Fromont, “Study and use of YOLO technology for real-time video tracking”, *Irisa, Rennes*

## Published papers

- 2024, SAS *Verification of programs with ADTs using Shallow Horn Clauses*, Pasadeña, United States
- 2023, FSCD *Automata-Based Verification of Relational Properties of Functions over Algebraic Data Structures*, Roma, Italy

## Teaching experience

- 2021-2024 **Formal tools for computing science**, 2<sup>nd</sup> year at ISTIC Rennes.
- 2021-2022 **Formal logic**, 3<sup>rd</sup> year at ENS Rennes.
- 2022-2024 **Algorithmics**, 3<sup>rd</sup> year at ENS Rennes.
- 2023-2024 **Computability**, 2<sup>nd</sup> year at ISTIC Rennes.
- 2022-2023 **Functional programming**, 1<sup>st</sup> year at ISTIC Rennes.
- 2021-2022 **Object programming**, 2<sup>nd</sup> year at ISTIC Rennes.

## Education

- 2021-2024 **PhD: “Automatic verification of functional programs using regular relations”**, supervised by Thomas GENET and Thomas JENSEN, *IRISA, Rennes, France*.
- 2019-2021 **Research-oriented Master degree of Computer Science**, *ENS Rennes, France*.
- 2016-2019 **Bachelor of Computer Science**, *ISTIC, ENS Rennes, France*.

## Languages

French Native  
English Fluent

Updated in September 2025