

Théo Losekoot

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Birthyear: 1998
Citizenship: French



Research experience

- 2021-2024 **PhD**: “Automatic Program Verification by Inference of Relational Models”, 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 Laferrriere, “The use of automata for integrity-constraints checking in temporal Answer Set Programming”, Potsdam, Germany
- 2019 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”, Irisa, Rennes
- 2018 Two-month **internship** in the research team LACODAM, supervised by Élisabeth 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, Pasadena, 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**, 2nd year at ISTIC Rennes.
- 2021-2022 **Formal logic**, 3rd year at ENS Rennes.
- 2022-2024 **Algorithmics**, 3rd year at ENS Rennes.
- 2023-2024 **Computability**, 2nd year at ISTIC Rennes.
- 2022-2023 **Functional programming**, 1st year at ISTIC Rennes.
- 2021-2022 **Object programming**, 2nd year at ISTIC Rennes.
- 2019 **Introduction to computer science**, Primary school.

Education

- 2021-now **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 November 2024