

Yago Iglesias Vázquez

Theoretical Computer Science student
PGSM laureate

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👤 Yago Iglesias

EDUCATION

Université Paris Cité Master's degree in Theoretical Computer Science research (MPRI)	Paris, France 2024 – present
Université Paris Cité Double degree in Mathematics and Computer Science	Paris, France 2021 – 2024
Lycée Espagnol Luis Buñuel Highest Honors with Jury's Congratulations	Neuilly-sur-Seine, France 2018 – 2021

SKILLS

🦀 Rust · Ocaml · Rocq · C Python · Java · Bash · Prolog
🇪🇸 Spanish · Native language 🇫🇷 French · Advanced 🇬🇧 English · Advanced

EXPERIENCE

IRIF Research Internship	Paris, France February - June 2025
• Solved the uniformisation problem for MSO for unordered finite binary trees with Thomas Colcombet, you can read the report here . The project was in the context of a "research course" for my master's degree.	
IRIF Research Internship	Paris, France June - July 2024
• Development of Coq verified simplification of intuitionistic formulas in the context of uniform interpolation in the research project UIML[1] with Sam van Gool and Hugo Férée.	
CiTIUS Research Internship	Santiago de Compostela, Spain July 2023
• Development of algorithms to precisely characterize objects with a single LiDAR scan by reflecting the object on a well-placed mirror.	

COMPETITIONS

Journées Franciliennes de Programmation

Participation in 2022, 2023 and 2024

SWERC

Participation in 2024

INTERESTS

Type theory, proof assistants, proof theory, logic automata theory, compilation and functional programming languages

SOME PROGRAMMING PROJECTS

Chimpanzee

Monkey interpreter, compiler, and formatter written in Rust

jsh-tty

C Job Shell as part of an operating systems course

enum_stringify

Rust set of macros to generate string conversion functions for enums

Be Amazed

Voice recognition game in Java

$\lambda\pi$

Dependent types implementation in OCaml, with Amélia Coutard and Pierre-Évariste Dagand

cinta

A simple C testing framework

RESEARCH

- [1] Hugo Férée, Sam V Gool, and Yago Iglesias Vázquez. Formulas Rewritten and Normalized Computationally, and Intuitionistically Simplified. In *36es Journées Francophones des Langages Applicatifs (JFLA 2025)*, Roiffé, France, January 2025.