

Yago Iglesias Vázquez

Theoretical Computer Science student
PGSM laureate

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/github.com/Yago000
✉ 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.