

# Yago Iglesias Vázquez

Theoretical Computer Science student  
**PGSM laureate**

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🐙 [github.com/Yag000](https://github.com/Yag000)  
in Yago Iglesias

## EDUCATION

**Université Paris Cité** Paris, France  
Master's degree in Theoretical  
Computer Science research (MPRI) 2024 – present

**Université Paris Cité** Paris, France  
Double degree in Mathematics and Computer Science 2021 – 2024

**Lycée Espagnol Luis Buñuel** Neuilly-sur-Seine, France  
Highest Honors with Jury's Congratulations 2018 – 2021

## EXPERIENCE

**IRIF** Paris, France  
Research Internship 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** Paris, France  
Research Internship 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** Santiago de Compostela, Spain  
Research Internship July 2023

- Development of algorithms to precisely characterize objects with a single LiDAR scan by reflecting the object on a well-placed mirror.

## SKILLS

✎ Rust · Ocaml · Rocq · C  
Python · Java · Bash · Prolog

🗣 Spanish · Native language  
French · Advanced  
English · Advanced

## 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

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### **Chimpanzee**

Monkey interpreter, compiler, and formatter written in Rust

### **jsh-tyy**

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

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- [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.