

Research Experiences

- 2023– **PhD in Computer Science**, Laboratoire Méthodes Formelles
SUPERVISORS: Jean-Christophe Filliâtre & Andreï Paskevich
RESEARCH INTERESTS: Programming languages, deductive verification, formal methods
SUBJECT: Design and study of a programming language aimed at deductive verification
- 2023 **Master 2 internship**, Laboratoire Méthodes Formelles
KEYWORDS: Deductive verification, logic, type systems
WORK: Meta-theory of COMA, an intermediate verification language
- 2022 **Master 1 internship**, Laboratoire Méthodes Formelles
KEYWORDS: OCaml programming, specification language
WORK: Exhaustiveness checking for pattern matching in GOSPEL
- 2021 **Undergraduate internship**, Laboratoire de Recherche en Informatique
KEYWORDS: Compilation, logic
WORK: Extension of the PYTHON front-end of WHY3

Education

- 2021–2023 **MSc in Computer Science (MPRI)**, ENS Paris-Saclay
FULL NAME: Parisian Master of Research in Computer Science
- 2020–2023 « **Magistère** » in **Computer Science**, Université Paris-Saclay
- 2018–2021 **Double Major BSc in Computer Science and Mathematics**, Université Paris-Saclay

Teaching (in French)

- 2023–2024 **Databases**, 39h, 1st-year students, IUT Orsay
- 2023–2024 **Databases project monitoring**, 10h, 1st-year students, IUT Orsay
- 2023–2024 **Good practices of programming**, 15h, 1st-year students, IUT Orsay
- 2020–2022 **Mentoring in the faculty of science**, 166h, Undergraduate, U. Paris-Saclay

Service Work

- 2023– **Co-organizer of PhD seminars**, LMF
- 2024 **Sub-reviewer**, *Dafny Workshop*, POPL

Grant

- 2021–2023 **Excellence grant**, *Labex Digicosme*

Skills

- **Programming:** OCAML, WHY3, COQ
- **Languages:** French (mother language), English (fluent), Spanish (basics)