

HENRI SAUDUBRAY

COMPUTER SCIENCE STUDENT

PROFESSIONAL EXPERIENCE

Laboratoire Méthodes Formelles - Research Intern

Internship | March - July 2024 | France

- Addition of support for case analysis on inductive predicates in the Why3 proof environment
- Proofs on Lambda Calculus using previous contribution

Skapánê - Full-stack Developer

Traineeship | 2022 - 2023 | France

- Back-end development in Python
- Containerized web-app design with React.js, Flask and Docker

CDC Informatique - Java back-end Developer

Internship | May - August 2022 | France

- Developed test automation software for banking transaction system

Ac'Lab - Vice-Treasurer & Teaching Lead

Association | August 2021 - May 2022 | France

- Website development
- Event planning
- Teaching computer science basics
- Budget management

Fnac Darty - UX Design / Integration Assistant

Internship | May - August 2021 | France

- Customer insight
- iOS Application Deployment
- Responsive design

EDUCATION

ENS Paris Saclay — M2 MPRI

Master's Degree | Computer Science | Since 2024

- Formal methods, Proof Assistants, Deductive Program Verification
- Functional, Synchronous, Probabilistic programming languages

Université Paris Saclay — M1 MPRI

Master's Degree | Computer Science | 2023 - 2024

- Formal methods, Proof Assistants, Deductive Program Verification
- Algorithms, Complexity/Computability Theory
- Quantum Computing

École du Numérique — Lille Catholic University

Bachelor's Degree | Computer Science | 2020 - 2023

- Web development, algorithmics, relational databases, object-oriented and functional paradigms
- Project management

Faculté de Médecine et Maïeutique — Lille

Medicine | 2019 — 2020

Kampala International School Uganda — Kampala

International Baccalaureate (IB) | 2017 — 2019

Majors in Biology, Chemistry and Mathematics

Bilingual Diploma - French/English

INFORMATION

 Paris, France

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 [linkedin.com/in/henri-saudubray](https://www.linkedin.com/in/henri-saudubray)

 codeberg.org/17maiga

SKILLS

French (Mother tongue)

English (C2)

OCaml, Python, C

Java, JS/TS

Coq, Why3

Full-stack web development

Agile software development

(SCRUM)

OTHER

- University ambassador in Lille (contributing to university promotion during several events)
- Civil Servant - Volunteering
- First Aid training
- Piano (Associated Board of the Royal Schools of Music Diploma)
- Lived in several African countries (Burkina Faso, Zambia, DRC, Uganda) and travelled to more than 30 countries