Tom Goalard

Robotechnic

tom.goalard@ens-rennes.fr

Computer Science student at ENS Rennes

Presentation

Programming, computer science and how computers work have fascinated me since my first lines of code. I started learning programming relatively early and I never stopped. Currently a second year student in the computer science department of ENS Rennes, I am determined to continue on the path of computer science research and make it my profession.

Education

2024 "September" – 2025 "July"

Master 1, *École Normale Supérieure de Rennes.*

Master 1 in Fundamental Computer Science at ENS Rennes.

2023 "September" – 2024 "July"

Third year of Bachelor, *École Normale Supérieure de Rennes.*

Third year of Bachelor in Fundamental Computer Science at ENS Rennes.

2021 "September" – 2023 "June"

Dual degree Mathematics-Computer Science, *Université Paul Sabatier, Toulouse.*

Dual degree in Mathematics and Computer Science. I followed courses in mathematics and computer science in parallel. I was able to familiarize myself with both disciplines. Therefore, I realized that I preferred computer science.

2021 "July"

Baccalauréat, .

Baccalauréat with highest honors. Majors in Mathematics and Physics / Chemistry. Minor in Biology.

Work Experience

2025 "June" – 2025 "August"

Research internship, *Computer Science Department, University of Tartu (Estonia).*

Open Verification Dashboard: Are we done analyzing that?
8-week research internship in the computer science department of the University of Tartu in Estonia. The internship was supervised by Vessal Vojdani and focused on the creation of a static analyzer comparison system to improve their evaluation.

2024 "September" – 2025 "July"

Research project, *INRIA Rennes.*

The project is carried out in the RAINBOW team of INRIA Rennes. It is supervised by Claudio Pacchierotti in collaboration with Leon Raphalen and Marco Ferro and focuses on the manipulation of magnetic microspheres within the framework of the European project REGO.

2024 "May" – 2024 "July"

Research internship, *INRIA Rennes.*

9-week research internship in the EPICURE team supervised by Benoit Montagu and Pierre Lermusiaux. The internship focused on the application of the "property based testing" approach to the Salto static analyzer developed by the team.

2023 "July"

Research internship, *Saarland University, Saarbrücken (Allemagne).*

Internship in the Reactive Systems research team located in Saarbrücken supervised by Arthur CORRENSON and Bernd FINKBEINER. The goal was to discover the world of computer science research and work on a research project related to formal verification. I implemented and proved a SAT solver in Coq.
This internship also allowed me to discuss with researchers and convinced me that I wanted to be a computer science researcher.

Languages

French Mother tongue

English Fluent

Spanish Notions

Skills and personal interest

Programming languages

- C++
- OCaml
- Typst
- Kotlin
- Rust
- Python
- Brainfuck
- Java
- Coq
- HTML, CSS, Js…
- LaTeX
- Shell

Tools

- Linux
- forensic tools
- Git
- Valgrind, gdb, perf,…
- SQL
- VScode

Hobbies

- FPV
- Horse riding
- Electronics
- Biking
- Climbing
- Saxophone

Other topics

- Participation in the "cordées de la réussite". It is a tutoring program at the high school level.
- Member of the technical club of ENS Rennes. We do sound engineering work (and occasionally lighting) at various student or official events of ENS.