

# Thibault Allançon

Computer science student

## Experience

### Employment

- Sep – Jan 2021 **Software Engineering Intern**, *SOFTWARE HERITAGE (INRIA)*, Paris  
Develop FUSE virtual filesystem to mount and explore parts of the Software Heritage archive on a Linux machine as if there were locally available.
- Jul – Sep 2020 **Software Engineering Intern**, *JANE STREET*, London  
Summer internship program, worked on multiple financial analysis tools in OCaml.
- Mar – Aug 2019 **Google Summer of Code**, *SOFTWARE HERITAGE (INRIA)*, Paris  
Compression of the Software Heritage graph data model (12 billion nodes, 165 billion edges) using state of the art compression techniques. Development of a REST API to query the compressed graph, and Docker environment to automate the graph compression pipeline.

### Community

- 2019 – present **Teaching assistant**, *EPITA*, Paris  
Teach programming skills to EPITA students (Caml, C#).
- 2017 – present **Organizer in nonprofit organizations**, Paris
- PROLOGIN: the French national programming contest, redaction of algorithmic problems and exercises for qualification and semi-final rounds, creation of the custom-made game environment for the finals.
  - GIRLS CAN CODE!: one-week programming summer school for middle and high school girls. Our goal is to close the gender gap in computer science, by allowing girls to discover the field in a fun and safe environment.
  - FRANCE-IOI: non-profit organization providing computer science formation to middle and high school students, to select the French team for the International Olympiad in Informatics (IOI).

## Education

- 2020 – present **Research student**, *LRDE*, Paris  
Work on concurrent space-efficient hash tables for model checking tools in C++.
- 2017 – present **MSc in Computer Science**, *EPITA*, Paris  
Expected graduation: 2022.
- 2017 **Scientific Baccalauréat**, Paris  
With highest honors (specialization track: mathematics).

## Skills

### Technical

Programming C, C++, Python, Java, SQL, OCaml, Rust, Bash,  $\LaTeX$

Tools git, mercurial, make, cmake

Systems GNU/Linux, macOS, Windows

### Languages

French Native speaker

English Fluent (TOEIC: 980)