Vianney Hervy

Software Engineering Student

Seeking a 6-month Master's thesis internship (from march 2026, Paris or remote)

Contact

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Technical skills

- **Programming**: Java, C, Bash, JS, TS, Python 3
- **Frameworks**: Spring, Swing, ExpressJS, OpenMP, OpenGL
- **Tools**: Git, Linux, Maven, REST APIs, Cloudflare, Google Cloud

Spoken Languages

- **French** (Native)
- **English** (Fluent, C1)
- **German** (A2-B1)

Soft skills

- **Teamwork**
  - ‣ school project
  - ‣ scouting
- **Critical thinking**
  - ‣ epistemology, zetetic
- **Pedagogy**
  - ‣ scouting
  - ‣ tutoring

Hobbies & Interests

- Open Source Contributions
- GNU/Linux
- Scouting (10 years)
- Rock climbing (when I have time)
- Biking

Education

Erasmus exchange semester — Sep 2025 - Feb 2026

Hochschule Konstanz, Konstanz, Germany

- Cloud Application Development (Google Cloud, Docker, GitHub Actions CI)

Master's Degree in CS and Software Engineering — Sep 2023 - Sep 2026

ENSEEIHT, Toulouse, France

- Specialisation: Formal Methods and Software & Systems Engineering
- Practical coursework and lab work in software development, verification and theoretical computer science
- Team projects in software engineering, web dev and formal methods

"Preparatory class", Math, Physics, CS — Sep 2021 - Jul 2023

Janson-De-Sailly highschool, Paris, France

- Algebra, Analysis, Functional & dynamic programming, Mechanics, Thermodynamics, Chemistry, Thermochemistry

General Baccalaureate — Sep 2014 - Jun 2021

Le Caousou highschool, Toulouse, France

- Baccalaureate with honors majored in math and physics, ancient Greek option

Projects

Cloud Hervy - Google Drive clone — 2024

Personal project

- Discovery of the JS ecosystem: ExpressJS, TS, Node
- Development of a REST API (server/client)

Particle life simulator — 2024

ENSEEIHT, OOP class

- Agile methods and Scrum framework
- Java OOP, Java Swing

Professional Experience

Intern Software developer — Jun - Jul 2025

IRIT, Toulouse, France

- Developed a Java annotation processor that generates runtime contract checks from JML-style specifications using ANTLR and JavaC AST manipulation, delivered as a tool for student use.

Intern Web Developer (WordPress) — Jun 2024

Les Maths En Scène, Toulouse, France

- Redesigned the association's digital identity by revamping its website (WordPress web development).

Private Maths and Physics Tutor, Freelance — 2022 - present

Toulouse & Paris, France

- Weekly home tutoring
- Volunteer tutoring in a Parisian highschool

Waiter — 2023

Arcadie's Gardens (senior's residence), Toulouse, France

- Service at the residence restaurant
- Meal delivery to apartments for the most disabled residents

Shadowing intern, Public research labs — Dec 2017 & Jun 2019

BIPM & IRAP, Toulouse & Paris, France

- Exploration of work conducted on measurement units
- Understanding the importance of teamwork (international, inter-laboratory)
- Familiarization with methods for designing space missions