

Theo Bessel

Software engineering Student

A 22 year old student at ENSEEIHT (N7), Toulouse, enjoying software engineering. My fields of predilection are Embedded Software and Formal Verification. I'm looking for a 6 month internship in one of those domains to achieve my second-to-last year of master of engineering at ENSEEIHT.

Skills :

Main : ARM Asm, C, C++, Java, Make

Other : Coq, Haskell, Why3, Eclipse EMF

OS : MacOS, Linux

Tools : QEMU, Docker, Git

Projects :

2024 - Member of the Tolosat project

- Member of the flight software section of a CubeSat project led engineering schools in Toulouse.
- In charge of FDIR development, working on ARM error exeptions and stacktrace on a Cortex M7 chip :
The tolosat project : <https://tolosat.fr>
The FDIR page : <https://fdir.theobessel.fr>

2016 - Today - Diverse computer science projects

- You can check my projects in computer science on my Github page or on my Portfolio :
Portfolio : <https://theobessel.fr>
Github : <https://github.com/TheoBessel>

Languages :

French : Native

English : C1

German : B1

Experience :

June-September 2024 - AI development internship, N7 Consulting, Toulouse, France

- 13 weeks internship developing an AI for wind acceleration prediction base on elvevation map.

June-July 2018 - Software developement internship, Schrempp EDV, Lahr, Allemagne

- 3 weeks internship in Germany where I have discovered the world of software engineering in a company developing an ERP system in C#. I gained a broader understanding of German culture and improved my language skills working in a small team.

Hobbies :

Climbing : Instructor and predident of my engineering school's club

Guitar : Playing, for 8 years

Judo : 15 years practice

Education :

2023-2026 - INP - N7, Toulouse, France

2024-2025 - 2nd year of computer science

- Specialized courses in software engineering : System engineering, Fonctionnal programming, Formal verification, Concurrent computing and Programming language theory.

2023-2024 - 1st year of computer science

- General courses in mathematics and computer science.
- Volunteer in the school's IT association, participation in the Capitole du Libre (a convention about free software) and the Toulouse Hacking Convention.

Contact :

Phone : +33 6 18 38 76 43

Email : contact@theobessel.fr

Site : <https://theobessel.fr>

Github : TheoBessel

2020-2023 - Lycée Kléber, Strasbourg, France,

2022-2023 - Prologin competition

- A national algorithmic problem solving competition organized by Epita and École Polytechnique. Qualified to the regional phase of the competition.

2020-2023 - Preparatory Class (MPSI/MP*), Computer science

- Three-years undergraduate intensive preparation courses in mathematics, physics and computer science for the entrance exams to top French Engineering schools.