## Michael Bleuez

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# Software Engineer

Last update: May 25, 2021

The online version is available at https://michaelb.github.io/cv

Hi!

I'm a curious tinkerer fond of high-tech, software and computer science.

Making things (on the software side) and taking other things apart (hardware) is my n°1 hobby...and on the side I'm into music, challenges cat videos, and RC planes or sailing depending on the weather.

## Programming Langages & Tech

(ordered by decreasing proficiency)





















(and other tech I'm confortable with, unordered)





















































# **Professional Experience**

# End of studies internship

Atos Bull R&D Data Management - Feb-Aug 2021

- Study the state-of-art of caching technology.
- Identify performance bottlenecks of an IO accelerator used on HPC systems, and develop solutions to improve the global throughput of the product within an Agile team.



### Part-time job

IT support dept. Ensimag - 2018-2021

- · Provide support to students and help them install and manage a Linux-based work environment.
- Take initiative to improve quality-of-life services such as documentation, installers and scripts, working with the support departement to integrate better with the school systems.
- Assist the support staff to perform maintenance and hardware upgrade tasks.

Linux IT support

### Summer internship

RHEA Group (Redu, Belgium) - Jul-Aug 2019 [7]

- Complete different, independent parts of a proof-of-concept cybersecurity project (<u>password cracking</u>, <u>user simulation</u>, SCADA/PLC system) in coordination with an international team.
- Create reproducible VM and software setups for use by other teams.



### Education

2021 - Engineering Diploma - Ensimag Grenoble-INP (computer science and applied mathematics major)

2019 - Bachelor degree - Ensimag Grenoble-INP

2015 - High School Degree with honors - Lycée Jules Ferry Cannes

Additionally, I'm a French native, fluent English speaker (full-score TOEIC), and know the tiniest bit of Spanish.

## **Projects**

#### **Sniprun**

<u>Sniprun</u> is my flagship open-source project. It allows users to run snippets of code directly from the editor (Neovim). In addition to the code itself, sniprun has a CI pipeline, a 'deployment' system, tests and coverage, extensive documentation, and showcases team & community work.

Rust Lua Neovim plugin

#### Compiler (for a provided language)

A team school project running for 1 month, to create a compiler written in Java, [to compile] from an arbitrary object-oriented langage to machine code and LLVM IR.

Java DevOps

#### ... and many others:

- shogai and shogui, a shogi library and GUI both in Rust
- a surface reconstruction algorithm, in Python
- hash crackers (one in PyQt/Go, another in C++/OpenCL/GPU)
- a youtube-dl wrapper for music, in Python
- a generic point clustering algorithm, in Python
- a prime numbers generator, in C