

# Robin Moussu

*Back-end developer  
specialization in optimization*

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29 years old

Curious, ready to push changes, autonomous and volunteer, I am someone who love learning and know how to invest myself (especially in mastering my tools). High performance back-ends development, algorithms and optimizations are subjects that I love the most in my work. Since a bit more than two years, I discovered myself a passion for Rust and I had the chance to use it professionally. It's a technology that I'd like to use again in the future.

## Competences

Languages **Rust**, C++, shell, C, *exposure to python, scala, SML, asm*  
Utils **git**, Linux, *exposure to gcc, clang, valgrind, perf, Doxygen*  
Metodology OOP, functional programming

English Daily usage, C1 level

*Bulats: 79 (2014), Toeic: 740 (2013)*

## Professional experience

- 2021–present **Back-end software developer, exploration and UX** 1 years  
*Silvaco (full remote, then partially on site), Grenoble* **C++, html, css, js**  
Prototyping of a query language specialized in data extraction from netlists.  
Improvements in the visualization of analysis.  
I helped my team migrate to git (formation and individual training).
- 2019–2020 **Back-end software developer, specialized in optimizations** 1 years  
*Astek (for the client Naver, on-site, then full remote), Grenoble* **Rust, python**  
Optimizations and improvements of the generation of tours intended to be run.  
Successful rewrite of the project in Rust
- 2016–2019 **Back-end software developer** 3 years  
*Astek (for the client Amadeus, on-site), Nice* **C++, scala, shell**  
Participation in various projects of PIO (Pricing Integration and Orchestration).  
Set-up and animation of weekly sessions of knowledge sharing.
- 2016 **End of study internship** 6 month  
*MathWorks (on Polyspace software), Grenoble* **C++, SML**  
Alias analysis and context splitting: amelioration of the static analysis speed  
and precision of C codebase using function pointers.

## Formation

- 2013–2016 **Grenoble INP, Grenoble**, Phelma then Ensimag BAC +5  
Specialization in system and embedded software
- 2011–2013 **DUT GEII, Grenoble**, IUT 1 BAC +2  
Electronic engineering and industrial data processing
- 2010 **Baccalauréat S**, Gap, Lycée Dominique Villars (with honors)