

# Clément Gillard

Systems Engineer

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cigix

Looking for system/critical/optimized development  
C, C++, Rust

## Education

- 2014 – 2019 **Computer Engineering Student**, EPITA, Majors: RDI "Research, Development, and Innovation" and GISTRE "Computer Engineering, and Real Time and Embedded Systems".
- 2014 **Scientific Baccalauréat**, Speciality: IT and Digital Science.

## Experience

- 2019 – 2020 **Consulting engineer**, Natixis, for Margo Conseil, Java 8, Perl. Maintenance on an internal computation application
- 2019 **Internship**, TrustInSoft, C++11, Python 3, Clang. C++ code generation, C/C++ static analysis
- 2017 – 2019 **Member student**, EPITA's Research and Development Laboratory (LRDE), C++14, Python 3. Model checking with  $\omega$ -automata (Spot project)
- 2017 **Internship**, Thales Communications & Security, C++03, MinGW. Development for cryptography, Specification and documentation writing
- 2016 **Internship**, EPITA's Research and Development Laboratory (LRDE), C++17, Python 3. Finite automata manipulation (Vcsn project)

## Languages

English very good level, TOEIC: 945, semester spent in a British university

French native language

## Expertise

- Model checking
- Complexity theory
- Academic research
- Secure development
- Distributed systems
- Interested in i18n and a11y

## Projects

- facial recognition, POSIX shell, ISO 9660 and ELF reader, debugger, Linux virtualization (KVM), HTTP server, raytracer, all in C
- bootloaders: C and assembly for x86, C for ARM (STM32F429)
- arbitrary large numbers calculator in C++
- Vcsn and Spot: automata in C++ and Python 3

## Programming languages

- C
- Rust
- Literate in C#, Java, Perl, assembly (x86, Z80, MIPS)
- C++11 and over
- Python 3

## Familiar tools

- Linux
- git versioning
- $\LaTeX$
- GNU and LLVM toolchains
- POSIX environments
- office suites

## Miscellaneous

Driving license holder

Topics of interest Sciences: mathematics, physics, computer science, linguistics, sociology

Sports Trampoline in a club, running

Leisure videogames, books