

Clément Gillard

Systems Engineer

Education

2014 – 2019 **Computer Engineering Student**, EPITA, Majors: RDI "Research, Development, and Innovation" and GISTRE "Computer Engineering, and Real Time and Embedded Systems"

Experience

2022 – now **Trainer, Expert**, TrustInSoft, C, C++

C/C++ analysis, Training users on TrustInSoft Analyzer

2019 – 2022 **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

2017 – 2019 **Member student**, EPITA's Research and Development Laboratory (LRDE), C++14, Python 3

Model checking with ω -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
- L^AT_EX
- 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