

# Pierre Guillou

General Engineer  
PhD in Computer Science

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French Nationality  
Born in 1991  
Clean Driving License

## Work experience

2013 – 2018 **PhD then post-doctoral fellow**, *Computer Science Research Center, MINES ParisTech*, Fontainebleau, FRANCE.

Working as part of the French industrial project CAPACITES (39 months) focused on the Kalray Manycore platform:

- improving the software offer around the Kalray MPPA processor
- 17 academic (Inria, Verimag...) and industrial (Airbus, Safran, Kalray...) partners
- funded by the French Public Bank of Investment

Implementation work, scientific articles, progress reports, semestrial meetings.

Jan. – June 2013 **End-of-studies internship**, *Armines*, Fontainebleau.

Porting image processing applications on the Kalray MPPA processor:

- implementing ground image processing operators in a dataflow language
- generating application code using a source-to-source compiler

June – Sept. 2012 **Business Analyst Intern**, *Eurofins Scientific*, Luxembourg.

Reviewing the cost price computation methodology:

- upgrading the MS Excel application
- adding new features

## Academic cursus

2016 **PhD Thesis in Computer Science**, *PSL Research University*, Computer Science Research Center, MINES ParisTech, Fontainebleau, FRANCE.

Efficient Compilation Of Image Processing Applications For Manycore Processors  
Supervised by François Irigoien and by Fabien Coelho

2013 **Master Degree in Science and Executive Engineering**, *MINES ParisTech*, Paris.

Minor in Information Systems Management

## Teaching

2013 – 2018 **Teaching assistant**, *MINES ParisTech*, Paris.

Teaching the Civil Engineer students (~100h) in several computer courses.

## Computer Skills

Languages C, Python, C++, Java, SQL

Systems MS Windows, GNU/Linux

SCM Git, Subversion

Build mesonbuild, GNU Make, CMake

Web HTML, CSS, nginx

Office L<sup>A</sup>T<sub>E</sub>X, MS Office, LibreOffice

Databases PostgreSQL, SQLite, Access

Others zsh, Rust, emacs, GNOME, Bépo

## Spoken Languages

French mother tongue

English fluent

German beginner

TOEIC 950/990 (May 2013)

## Interests

Reading Novels, French comic books

Science Physics, computer science

Sports Biking, swimming

Music Flute (13 years)

Others Architecture, urban planning, bridge