Pierre Guillou

General Engineer PhD in Computer Science

Bât. Le Trianon 36, rue de la Cloche 77300 Fontainebleau, FRANCE ☑ pierre.guillou@mines-paristech.fr pierre.guillou.net 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:

- o improving the software offer around the Kalray MPPA processor
- o 17 academic (Inria, Verimag...) and industrial (Airbus, Safran, Kalray...) partners
- o 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:

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

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

Reviewing the cost price computation methodology:

- o upgrading the MS Excel application
- o 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 Irigoin and by Fabien Coelho

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

Minor in Information Systems Management

Teaching

Teaching assistant, MINES ParisTech, Paris.

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

Computer Skills

Languages C, Python, C++, Java, SQL Web HTML, CSS, nginx

Systems MS Windows, GNU/Linux Office LATEX, MS Office, LibreOffice SCM Git, Subversion Databases PostgreSQL, SQLite, Access

Build mesonbuild, GNU Make, CMake

Others zsh, Rust, emacs, GNOME, Bépo

Spoken Languages

French mother tongue

English fluent TOEIC 950 / 990 (May 2013)

German beginner

Interests

Reading Novels, French comic books Music Flute (13 years)

Science Physics, computer science Others Architecture, urban planning, bridge

Sports Biking, swimming