



Nicolas Denoyelle

Education

- 2013–2014 **Master of Computer Science**, *ENSEIRB-MATMECA - Bordeaux Institute of Technology*, Bordeaux - France.
Specialized in High Performance Computing
- 2011–2013 **Bachelor of Computer-Science**, *ENSEIRB-MATMECA*, Bordeaux - France.
- 2009–2011 **Preparation for the selective entrance examination to French engineering schools**, *Lycee Lafayette*, Clermont-Ferrand - France.
- 2008–2009 **Baccalaureat S equivalent to 'A' levels in maths, physics, sciences with distinction**, *Lycee Blaise-Pascal*, Clermont-Ferrand - France.

Masters Thesis

- Title *Parallel model of applications and platforms for process mapping*
- Supervisors Emmanuel Jeannot & Brice Goglin
- Institutes Inria & ENSEIRB-MATMECA
- Description In my thesis I explored how to model applications and platforms in order to quantify achievable gain thanks to locality and contention-aware process mapping.

Experience

- 2013-2014 **VirtualEnaction Project**, INRIA & AEI JUNIOR BUSINESS & ENSEIRB-MATMECA, Bordeaux.

This collaboration through a school project, an internship in the mnemosyne research team, and a maintenance contract with AEI lead me to design and implement a research tool for machine learning. This tool is described into a scientific publication where i am cited as a co-author.

<https://hal.inria.fr/hal-01063054>

<http://virtualenaction.gforge.inria.fr>

Detailed achievements :

- Software engineering.
- Concurrent programming.
- Multi-threaded application profiling and debugging.
- Java Plugin developement.
- bash script developement.

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2014 **Summer job**, *IPB ENSEIRB-MATMECA*, Bordeaux.
2009 – 2011 **Summer job**, *E.Leclerc department store*, Clermont-Ferrand.

Skills

Basic PYTHON, LISP, SQL, web developement
Intermediate PARALLEL VIRTUAL MACHINE, PYTHON, XML, \LaTeX , Software Engineering
Advanced MPI, OPENMP, C/C++, bash, JAVA, Linux, parallel algorithms, gprof, gdb, compilers

Languages

French **Mothertongue**
English **Intermediate** *Conversationally fluent, especially in computer-science field*

Interests

- Handball
- Rock-climbing
- Running
- Video-games
- Aeromodelism
- Fitness