

[nicolas dumazet]

software engineer

Young and open-minded; fast and motivated,
I develop to spread around the enthusiasm
I have for well-written software.

Open Source

Mercurial

2009 - present **Mercurial community**, *Crew member*.

- ↪ One of the trusted core members that can push directly changes
- ↪ Reviewing community patches for mainline inclusion
- ↪ Trying to improve an user-friendly but complex software

Strong focus on user experience: basic features of the software should not allow losing data, and names should be intuitive rather than catchy.

Code review practices are also very important, with a safe, healthy review process.

May - August 2009 **Google Summer of Code 2009**, *Student Developer*.

- ↪ Mentored by **Benoit Boissinot**
- ↪ Improving reliability of the *inotify* file event notification extension

Mediawiki

2008 **Google Summer of Code 2008**, *Student Developer*.

- ↪ Mentored by Brion Vibber for the Wikimedia Foundation
- ↪ Implementing core category renaming for MediaWiki, Wikipedia's PHP engine

2007 - May 2010 **pywikipediabot project**, *Developer*.

Python framework for automated edits on MediaWiki wikis

Maintaining these tools against the latest improvements of MediaWiki: robots using the framework are relied upon for daily editorial maintenance of Wikipedia

Enterprise world

September 2009 **Nexedi K.K.**, *R&D Software Developer*, **Tokyo**, Japan.

- February 2011 Open Source ERP development, Python, Zope, MySQL.

- ↪ Reporting to Yoshinori Okuji
- ↪ Complex, long-wanted improvements of ERP5 internals

I was assigned to R&D only, helping with modernization of code and algorithmic issues.

My last project was a four month long task involving an automated data migration on all instances. The complex change allowed better performances, and through-the-web development.

During those last four months, I also had to train and supervise a newcomer to assist me in this migration process.

Internship

- February - July 2009 **National Institute of Informatics, Visiting researcher, Tokyo, Japan.**
A short experimental stop by the Research world.
↳ Web Services (efficient service level agreements, composition)
↳ P2P networks (Chord overlays)

Education

- 2007 - 2009 **MS, Computer Science, ENSIMAG, Grenoble, France.**
↳ Top French school for applied mathematics and informatics.
↳ Spent a semester abroad on exchange at **National University of Singapore.**
- 2006 - 2007 **BS, Computer Science, ENSIMAG, Grenoble, France.**
- 2004 - 2006 **Preparatory classes, La Martiniere Monplaisir College, Lyon, France.**
Mathematics and Physics courses before a national competitive examination to Grandes écoles

Relevant academic projects

- 2008 **Search engine.**
Using Hadoop, the Open Source Java Implementation of MapReduce
↳ On a cluster of 30 computers for crawling and indexing
↳ 2 months fulltime - 3 students
- 2008 **Compiler.**
Compile a subset of Java to bytecode. Coded in Ada.
↳ 1 month - 4 autonomous students

Skills

Development

- Latest topics **Distributed Version Control, Developer tools**
- Been coding in **Python, Java, C, C++, PHP...**
- Web **Able to debug and extend jQuery/Javascript applications**
- Environment **Linux**

Communication

- English **fluent**
- French **first language**

Activities and Interests

- Sports **Long distance running; swimming**
- Cool down? **Strong coffee or dark beer, but relaxed Jazz**
- Share **I enjoy guiding or hosting travelers for the Couchsurfing hospitality network**