

Maxime Biais
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24 years old, Single
French nationality

R&D Software Engineer

Professional goal: work on challenging computer science problems with great people to learn from.

Employement

- Jan 2006-today **R&D software engineer** at *INRIA (the french national institute for research in computer science and control)*. Development of a software to extract and visualize intellectual property data from source control management systems (CVS, Subversion). Frontend (web application and charts generation) developed with Python / Django / AJAX (dôjô and JQuery), Backend (extractors and crawler): Python (and a C extension) / handmade distributed agents architecture / PostgreSQL. Author of an european patent 06/09464 (2006, october 27).
- Jul 2005-Dec 2005 **Software developer** at *Artenum (Paris)*, works on LibreSource, an open source collaborative platform. Python and Java developments. Writing of Python and LibreSource training courses.
- Jan-Jul 2005 **Software developer trainee** at *CSC-France (Paris)*, Java/J2EE and C developments. Writing of bindings between a X25 library in C and a Java software (JNI). Writing of print drivers (C), development and deployment of web services on a J2EE application.
- Aug-Dec 2004 **Teacher** in my university (EPITA, Paris), C/Unix teaching to 3rd year students.
- Jan-Jul 2004 **Software developer** at *Artenum (Paris)* company, one day per week in parallel with my studies. Java and Python developments on an open source project: SPIS (Spacecraft Plasma Interaction System), for the European Space Agency.

Education

- 2000-2005 **Engineering cycle.** Artificial Intelligence master (called Cognitive Sciences and Advanced Computer Sciences) equivalent to a master of science degree in computer science and engineering (5 years curriculum). EPITA: Engineer School for Computer Sciences and Advanced Technologies. Paris, France.
- 2000 **School leaving examinations (A-level, french BAC S)**
Lycée Paul Langevin (Suresnes, France).

Open source initiatives

- 2007-today Technical blog about Python and advanced computing: <http://www.biais.org/blog>
- 2004-2005 Conception and coding of *GRAC: GRAMmar Checker*, A statistical grammar checker written in Python: <http://grac.sourceforge.net/>.
- 2003 Conception and development of *Vampire*: <http://www.nongnu.org/vampire>. A remote package testing tool. Written in Python, under GPL license.

Skills

- Systems Unix (Linux, BSD, Darwin), Windows.
- Languages C, C++, Pascal, OCaml, Java, Python/Jython, Shell, Perl.
- Assembly Intel x86, Motorola 68000, MIPS R3000.
- Web XHTML/HTML, CSS, Javascript, AJAX (jquery, prototype, dojo).
- Methods UML, SADT, eXtreme Programming.
- Miscellaneous CVS / Subversion / git, Flex/Bison, XML, Autotools, SQL (Postgresql).

Miscellaneous

- Languages English (TOEIC: 850). French (mother tongue).
- Sports Mountain bike.