

**Maxime Biais**  
79 rue lecourbe  
75015 Paris  
France

+33 6 354 00 685  
[maxime.biais@gmail.com](mailto:maxime.biais@gmail.com) / <http://www.biais.org>  
25 years old, single  
French nationality

## R&D Software Engineer

### Employement

- Oct 2007-today **R&D software engineer** at *Softissimo* (Paris): Machine translation domain. I worked on both transfer-rules based MT and statistical MT methods. Collaborating with our russian development team. Implementation of terminology extraction (statistical and rules based). Multilingual corpus alignment. (Python, Perl and C)
- Jan 2006-Oct 2007 **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 / PostreSQL. Author of an international patent (Pub. No: WO/2008/059124).
- 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.
- Aug-Dec 2004 **Teacher** in my university (EPITA, Paris), C and Unix teaching to 3<sup>rd</sup> 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.
- 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, Makefiles / Autotools, SQL (Postgresql).

### Miscellaneous

- Languages English (TOEIC: 850). French (mother tongue), currently learning russian.
- Leisure Mountain bike, computer generated art.