

Isabelle Hurbain-Palatin

Software engineer

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📄 www.github.com/Balise42
Birth date: 30/10/1981.
Nationality: French.



Education

- 09/2011–07/2014 **Master's degree (MSc.)**, *ETH Zürich*, Zürich, Switzerland.
Theoretical computer science track. Master's thesis: Towards the derandomization of the PPSZ algorithm for the multiple satisfying assignment case.
- 09/1999–08/2003 **Engineer's degree (MSc.)**, *École des Mines de Nantes*, Nantes, France.
Automatic control and industrial computing.
- 09/2002–08/2003 **Master's degree (MSc.)**, *École Centrale Nantes*, Nantes, France.
Automatic control and applied computing, robotics. Master's thesis (in French): Bandwidth optimization for video broadcast over IP networks.

Professional experience

- 05/2004–06/2011 **Technical writer (FR) and translator (DE>FR, EN>FR)**, *Freelance contractor*.
Translation and collaboration on various books and works in the field of computing.
- Recurring contracts with Pearson Education France, O'Reilly France, Eyrolles, Bureau Cornavin.
- 09/2006–10/2007 **Software engineer**, *Unilog, Logica CMG*, Paris, France.
Mission in a French bank industry company. Work on the corporate clients' database intranet.
- Design and implementation of new features.
 - Bug fixing on existing code base.
 - Technologies: Java, Struts, Oracle, PL/SQL, Websphere 5.
- 09/2003–08/2006 **Research engineer**, *École des Mines de Paris*, Fontainebleau, France.
Implementation and optimization of a H.264 video encoder.
- Study of SSE2 optimization.
 - Tiling and scheduling on a system on a chip.
 - Teaching assistant for Bash, UNIX, Python classes.
 - Technologies: C, SSE2, Fortran.

- 02/2003–09/2003 **Research internship**, IRCCyN, Nantes, France.
Optimization of bandwidth for video broadcasting on IP networks.
- Work on video quality measurement.
 - Design of a model for bandwidth optimization.
 - Implementation and integration of the algorithms to an existing video encoder.
 - Technologies: C, C++, FFMPEG.
- 05/2002–08/2002 **Engineering internship**, TESAT-Spacecom, Backnang, Germany.
Design and implementation of a scheduling helper application.
- Design of an Oracle database.
 - Two graphical interfaces: Swing and web (Struts).
 - Technologies: Java, Oracle, JDBC, SAP, JCo, Swing, Struts.

Programming languages

- C++ Intermediate knowledge.
Java Intermediate knowledge.
Python Basic knowledge.
C Basic knowledge.
Others Notions of Bash, Javascript, PHP, Go.

Languages

- French Mother tongue.
English Excellent level, both written and spoken.
German Good reading level, fair speaking and writing levels.

Extra

- Work status Holder of a Swiss C Permit.
Other interests Boardgames and roleplaying games, reading, photography, cooking.