

Jérôme FLESCHE

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Birthday : 12/19/1985

Nationality : French

Status : Single

Software Engineer

Education

- 2005-2008** Master of software engineering.
Main field : Real time systems, Embedded and Mobile computing
at the Université de Technologie de Belfort-Montbéliard (UTBM), France.
- 2003-2005** Two-year technical degree in telecommunications and networking (DUT GTR).
at the IUT of Colmar, France.
- June 2003** Scientific baccalauréat diploma with specialization in engineering and mathematics
(equivalent to the HSLC)
at St-André, Colmar, France.

Professional experience

- March - August 2008** **End-of-study internship**
Creation of a tool for graphical interface testing allowing to ensure that
translations won't have unexpected side effects. Done as part of the
internationalization team.
Tools used: Java, MySQL, unit tests, shell scripts, Google technologies
Google, Mountain View, USA - <http://google.com/corporate>
- June - August 2007** **Mentor during the Google Summer of Code 2007**
Organization : Freenet Project Incorporated (<http://www.freenetproject.org/>)
Project : "Echo ", a plugin for the Freenet node (Java) allowing users to quickly
publish blogs and other kinds of sites on Freenet
<http://code.google.com/soc/2007/freenet/appinfo.html?csaid=553CCA38A6C6B60B>
- Sept. 06 - Feb. 2007** **6 months internship (part of the UTBM curriculum)**
Creation of an object base shared in memory and accessible to various services
and processes used on the NetASQ firewalls (programmation C Unix).
Tools used: Gcc, Subversion
NetASQ, Lille, France - <http://www.netasq.com/>
- June - August 2006** **Student during the Google Summer of Code 2006**
Organization : Freenet Project Incorporated (<http://www.freenetproject.org/>)
Project : " Thaw ", a graphical filesharing program written in Java / Swing.
<http://code.google.com/soc/2006/freenet/appinfo.html?csaid=D167339D2B02BA18>
<http://wiki.freenetproject.org/Thaw>
- April - mid-June 2005** **2.5 months internship at the end of the two-year technical Degree**
Web interface prototyping, using JSP servlets, OJB, Struts and Tomcat, for the
Compact Muon Solenoid (CMS) tracker configuration database exploitation :
- CMS is an experiment made by IrES which is part of the Large Hadron Collider
(LHC) currently made by CERN.
- CMS tracker is composed of more than 16000 detectors, and each of them has
his own parameters.
- This interface provided a way to check and modify all these parameters
- The database engine used was Oracle9i.
Tools used: Java, J2EE, OJB, Oracle9i, CVS
Subatomic Research Institute (IreS), Strasbourg, France - <http://ireswww.in2p3.fr/>

Computer science skills

Operating systems	GNU/Linux (since 2001) : Debian, Ubuntu. Experienced. Daily use of Debian and Ubuntu. Windows : 95, 98, 2000 (Pro / Serveur), XP, 2003 Serveur. Good knowledge. BSD : FreeBSD Good knowledge	
Programming	C : (Unix) Experienced (X)HTML / CSS : Skilled PHP : Good knowledge	Java : (J2SE / Swing / J2EE / Tomcat) Experienced Python : Good knowledge Javascript : Basic knowledge
Databases	Mysql : Skilled Oracle9i : Basic knowledge	
Administration	Apache : Skilled OpenVPN : Basic knowledge	Samba : Basic knowledge
Networks	NetASQ firewalls : Administrator certified (2006) Netfilter : Good knowledge	IPv4 : Skilled IPv6 : Basic knowledge

Languages

French	Native.
English	Read, written and spoken fluently. Scored 780 out of 990 at the TOEIC evaluation (2006).
German	Basic knowledge.

Non-professional activities

Febr. - June 2007	UTBM - Laboratory work Development of an USB driver for an embedded operating system for the Lego Mindstorms NXT (language C ; processor ARM7). This work was part of NxOS (http://nxt.natulte.net/nxos/trac) and done in collaboration with David Anderson.
August 06 - Febr. 2007	Main developer of Thaw Thaw is a part of the Freenet project. It's a graphical file-sharing program written in Java/Swing. http://wiki.freenetproject.org/Thaw http://www.freenetproject.org/
Febr. 07 - Febr. 2008 & Sept. 05 - Febr. 2006	Co-network administrator of a student computer network At the student residence "La Riverotte" (~200 computers)
April 2005	Prologin 2005 finalist (national programming competition) http://www.prologin.org/archives/2005/finale/
April 2003 - April 2004	Secretary of the computer club at the IUT of Colmar

