johanmathé

In a nutshell

- Student in engineering at **Université de Technologie de Compiègne**, near from Paris, in France. Specialisation in computer science.
- Specialisation in embedded systems & information systems. Conscious of their current convergence

- Minor in philosophy of cultural digital communications.

- Looking for problematics of contemporary world with travels and photography.

Studies

2007	**Engineering degree**, *University of Waterloo*, Canada, One term exchange. Engineering and computer science
Since 2005	**Engineering degree**, *Université de Technologie de Compiègne*, Computer science engineer degree. Major embedded systems, netwoks and digital communications.
2003-2005	**DEUTEC**, *Université de Technologie de Compiègne*, First degree for engineering preparation. Scientific general culture.
2001-2003	**French baccalauréat**, *Secondary school of Futuroscope*, French Baccalauréat with option in maths and in engineering.. With distinction.

Employment history

Since 2006	**Information systems**, *Musée national d'art moderne*, Paris, France. Design of a network achitecture and coding media analysis tools (C/C++) *See www.iri.centrepompidou.fr.*
2004-2006	**Electronic design & code**, *Heudyasic laboratory*, Compiegne, France. Design of motherboards for robots. *See www.auryon.utc.fr.*
2005	**Webdesign**, *Autofix*, Tampico, Mexico. One month in a Car company. Web coder and designer. *See www.autofix.com.mx.*
2004	**Hotline**, *U.T.C*, Compiègne, France. Helping students of the university using their Linux laptop.
2002	**Building information systems**, *Imtec Network Services*, Poitiers, France. Installation of various servers (proxies, mail, web...). Teaching unix skills. *See www.imtec-group.com.*

Clubs

2004-2005	**DGA micro-uav contest**, *U.T.C*, Compiegne. Design of the motherboards of an UAV for the French Army. *See www.auryon.utc.fr.*
Since 2004	**Information systems design**, *U.T.C*, Compiegne, France. Creation of a computer science club to help the others clubs of the university with the school network. *See wwwassos.utc.fr/simde/.*

Embedded system & electronic skills

OS	Linux, QNX, microC/OS2, RTAI.
Langages	C/C++, ASM x86, ASM 68k.
Theory	VHDL,Scilab/Scicos, Matlab/Simulink, Petri Nets, Grafcet.
Digital Com.	I2C, CAN/VAN, Dallas 1 Wire, 802.3, 802.11
Electronics	Boards design : ORCAD, Eagle (has contributed).
RF electronics	Basic knoweldge for radio-frequency microelectronics : passive on-chip components on chip components
Signal analysus	Theoretical digital signal analysis.
Others	DSP, FPGA, Xscale, 68HCS12, Coldfire, PC104, PIC Microchip, ATMEL AVR.

Information systems

Coding languages	C, C++, PHP, Perl, CGI, Scripts shell (bash, zsh).
Document formatting	LaTeX, Scribus
Unices	Using Linux since 1999. Sytem programming under Unix.
Distributions	Debian/Ubuntu expert & very good knowledge of Gentoo/Slackware.
Internet servers	webservers (Apache), ftp, mailing-lists (mailman,sympa), proxy (Squid), dhcp, mail (postfix,exim), SMB, news, cups...
System	Metrology (rrdtools), IDS (snort).
Databases	SQL (MySQL, Postgre), LDAP (openLDAP).

Languages

English	**Fluent**	*Fisrt learnt language.* *Six months in North America* *(Canada-Ontario/Usa).*
Spanish	**Fluent**	*Second learnt language.* *Passed four level at university.* *Three months in South America.*
Chineese	**Notions**	*One course followed at university*
French	**Mothertongue**	