

## In a nutshell

- Engineering degree at **University of Technology Compiegne**, near Paris, France. Specialisation in computer science.
- Specialisation in embedded & information systems. Aware of their convergence.
- Minor in philosophy of cultural digital communications. Open source enthusiast.
- Seeking issues of contemporary world with travels and photography.

## Studies

- 2008 **Engineering degree**, *University of Technology Compiegne*, Computer science engineer degree. Major in embedded systems, networks and digital communications.
- 2007 **Engineering department**, *University of Waterloo*, Canada, One semester exchange. Engineering and computer science.
- 2003-2005 **DEUTEC**, *University of Technology Compiegne*, First degree for engineering preparation. Scientific general culture.
- 2001-2003 **French baccalaureat**, *Secondary school of Futuroscope*, French Baccalauréat with option in maths and in engineering. With honours.

## Work experiences

- Since 2008 **Information systems**, *Google*, London, United Kingdom. System Admin - Server deployment.  
*See [www.google.com/jobs](http://www.google.com/jobs).*
- 2006-2008 **Information systems**, *Musée national d'art moderne*, Paris, France. Network architecture design and coding media analysis tools (C/C++).  
*See [www.iri.centrepompidou.fr](http://www.iri.centrepompidou.fr).*
- 2004-2006 **Electronic design & code**, *Heudiasyc laboratory*, Compiegne, France. Motherboards design for robots.  
*See [www.auryon.utc.fr](http://www.auryon.utc.fr).*
- 2005 **Webdesign**, *Autofix*, Tampico, Mexico. One month in a Car company. Web coder and designer.  
*See [www.autofix.com.mx](http://www.autofix.com.mx).*
- 2004 **Hotline**, *U.T.C*, Compiègne, France. Helping university students resolve problems with Linux based laptops.
- 2002 **Building information systems**, *Imtec Network Services*, Poitiers, France. Installation of various servers (proxies, mail, web...). Teaching unix skills.  
*See [www.imtec-group.com](http://www.imtec-group.com).*

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## Clubs - Hobbies

- since 2007 **Piwik**, *Open source project*, Open source web analytics.  
Design of the network architecture. Implementation of the software DBMS load balancer.  
*See [piwik.org](http://piwik.org).*
- since 2007 **Shotdetect**, *Open source project*.  
Development optical video scene detection software.  
*See [shotdetect.nonutc.fr](http://shotdetect.nonutc.fr).*
- 2004-2005 **DGA micro-uav contest**, *U.T.C*, Compiègne.  
Design of the motherboards of an UAV for the French Army.  
*See [www.auryon.utc.fr](http://www.auryon.utc.fr).*
- 2004-2006 **Information systems design**, *U.T.C*, Compiègne, France.  
Creation of a computer science club to help the others clubs of the university with the school network.  
*See [www.wassos.utc.fr/simde/](http://www.wassos.utc.fr/simde/).*

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## Embedded system & electronic skills

- OS** Linux, QNX, microC/OS2, RTAI.
- Langages** C/C++, ASM x86, ASM 68k, ASM z80.
- 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 (contributor).
- RF electronics** Basic knoweldge for radio-frequency microelectronics : passive/active on-chip components.
- Signal analysis** Theoretical digital signal analysis. Specialization at school : Fourier analysis, Wavelets analysis, Information theory.
- Others** DSP, FPGA, Xscale, 68HCS12, Coldfire, PC104, PIC Microchip, ATMEL AVR.

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## Information systems

- Languages** C, C++, PHP, Python, Perl, CGI, Scripts shell (bash, zsh).
- Unices** Linux user since 1999. System programming under Unix.
- Distributed Systems Distributions** Distributed algorithms. Load balancing (Linux virtual server).  
Debian/Ubuntu expert (debian developer) & very good knowledge of Gentoo/Slackware.
- Internet servers** webservers (Apache), FTP, mailing-lists (Mailman, Sympa), proxy (Squid), DHCP, email (Postfix, Sendmail, Exim), SMB, NNTP, CUPS.
- System** Metrology (rrdtools), Monitoring (Nagios), IDS (snort).
- Databases** SQL (MySQL, Postgre), LDAP (openLDAP).
- Document formatting** L<sup>A</sup>T<sub>E</sub>X, Docbook, Scribus.

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## Languages

French **Mothertongue**

English **Fluent**

*First learnt language.  
One year in english spoken  
countries (Canada, USA, UK)*

Spanish **Fluent**

*Second learnt language.  
Passed fourth level at university.  
Three months in South America.*

Chinese **Notions**

*One course followed at university*