

Sébastien François

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Age: 21
French driving licence

Objective: Computing and Electronics engineer

Education

- 2006 - 2007 Masters degree in Image Processing at **INSA-Lyon**
Final year of engineering at **CPE Lyon**, specialised in Image Processing
- 2004 - 2006 3rd and 4th year of engineering diploma in Electronics and Computing at **ESEO**, Angers
- 2004 Two-year diploma from the Angers Institute of Technology in Electrical Engineering and Computing with an option in local area networks.
- 2002 Baccalauréat, French secondary high school leaving certificate, specialised in science, passed with distinction

Languages: French **Native speaker**
English **Fluent (CAE: B, FCE: A, TOEIC 920, TOEFL 633),**
German Good working knowledge
Goethe Institute Zertifikat Deutsch (**Gut**)
French Sign Language

Work experience

- 2007 **LIVIC - INRETS / LCPC** (Versailles) *Internship (6 months)*
Research and development
Conceived lane detection controller using stereo vision in a National Laboratory for **Assisted Driving**. Improved existing systems to make them robust to road marking singularities.
- 2006 **LIVIC - INRETS / LCPC** (Versailles) *Internship (3 months)*
Research and development
Studied the use of Wi-Fi in cars in a National Laboratory for **Assisted Driving**. Estimated a priori the various results, defined corresponding tests and qualified the systems in real situations. Lead an auxiliary study about the use of Wi-Fi as a mean of positioning (Wi-Fi Positioning System) – **patent pending**.
- 2005 **Zodiac - Intertechnique** (Plaisir) *Summer job (5 weeks)*
Prepared orders in the electronic warehouse in the Fuel Circulation and Management department of Zodiac Aircraft Systems.
- 2005 **France Télécom** (Saint Barthélémy d'Anjou) *Part-time work (in parallel with studies)*
Stock controller
Developed a PHP/MySQL application in a France Télécom technical hotline designed to publish news, keep track of the incoming calls at a regional scale and help the assistants to fill in a knowledge base.

- 2004 **France Télécom** (Saint Barthélémy d'Anjou) *Summer job (6 weeks)*
Technician
Designed and developed a PHP application interfacing DSL equipment testing procedures with mobile phones basic internet pages (WML), allowing the tests to be executed from a mobile phone. In March 2005, this application was selected for use at a **national scale** by France Télécom technicians.
- 2004 **Institut Montéclair** (Angers) *Internship (8 weeks)*
Conceived and developed a C++ Linux port of a THALES Software originally designed to adapt camera shots for visually impaired persons.
- 2003 **AF2M** (Vern d'Anjou) *Technician (5 weeks)*
Administrated Linux Mandrake servers, set up file and printer sharings (**SAMBA, CUPS**).
Phone assistance and maintenance for the customers'.
- 2001 **6th Engineering Corps**, Army *Internship (1 week)*
Established a Linux Mandrake server providing a complete internal mailing system (**POP/SMTP, LDAP** for the address book synchronization), file sharing (**SAMBA, FTP**), and an internal domain name server (**BIND**).

Professional skills

Programming

C/C++

Windows Borland C++ Builder, Visual C# .NET

Linux Gcc / G++

Java

Eclipse, Netbeans (J2ME mobile edition)

Assembly

C167 (Siemens), PIC16F84 (Microchip), 68000 (Motorola)

Some experience of

Perl, Python, Tk/Tcl, Google™ API

Internet standards

XHTML / WML (W3C-compliant) / XML / PHP / MySQL

Operating systems

Microsoft DOS, Windows

GNU/Linux (Debian, Mandrake)

Mac OS X Panther

Experienced user of the following software

Development:

Eclipse

Real-time simulation:

Intempora ^{RT}MAPS

Office suite:

Microsoft Office / OpenOffice.org

Graphics editing:

The Gimp / Adobe Photoshop

Multi-media:

Macromedia Flash and Director

CAD:

Orcad, Cypress warp / Xilinx ISE (VHDL)

Misc:

L^AT_EX Objecteering (UML), Doxygen.

Open Source contributions

Giris development

Linux port of the THALES PortaNum™ Software, which adapts the camera shot of a scene for a visually impaired person.

Brlspeak development

Debian Linux distribution conceived to be blind-friendly.

I presented this project at a National Science Centre « la **Cité des Sciences et de l'Industrie** » on January the 18th 2002.

K7s5a motherboard and Apple iBook G4 HOWTOs

Subject-specific documentations, giving tips on the Linux supports of these devices and their integrated peripherals (sound cards, video cards, sensors).

Interests

Foreign cultures, creating short films, tennis