

## **Engineer in computer science** **Fields: Real time, optimisation and algorithms**

### **EDUCATION**

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- April to July 2011 Abroad semester at the MPII (**Max Planck Institut für Informatik**) in Saarbrücken (GERMANY) in the computer science department with courses oriented **optimisation** (taught in English).
- 2008-2011 **Engineering degree courses** in the **computer science** department at the **UTBM** (University of Technology of Belfort-Montbéliard, East of France). Specialization in real time and optimisation. [www.utbm.fr](http://www.utbm.fr)
- 2006-2008 Two years of general foundation studies at UTBM (mainly mathematics, physics and computer science courses).
- June 2006 Baccalaureate in Science passed with honours equivalent to High School Diploma or A levels in science with emphasis on Mathematics.

### **PROFESSIONAL EXPERIENCE**

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- September 2011 Six-month end-of-study internship at **Axway Paris**, in the quality and assurance team of the software **Transfer CFT** (secured Managed File Transfer).  
to  
17 February 2012 Strengthen the architecture based on **Unitest (Python)** and speed-up the test scenarios progress using **multi-threading**.
- July 2010 Work at **OCCAM Financial Technology** in **London** on a VB6 project with the aim to convert it to the **.Net framework**. Development in VB.Net of new features of an **interface application** managing Microsoft Excel sheets to organise them in a user-friendly way.  
to  
August 2010
- August 2009 **Six-month** internship in **London** at **OCCAM Financial Technology**, a financial software house. Work on the software **POW!** (portfolio optimiser). Development of financial tools (Time Series, computation of covariance, auto-covariance, sampling etc.) in **VC++** interfaced in **VBA** for **Microsoft Excel** via MIDL technology.  
to  
February 2010
- August 2008 Summer job in the factory Terreal (FRANCE).
- February 2007 Work placement of 4 weeks in Saint-Gobain (FRANCE) SEVA factory as an operator quality control and production.

### **COMPUTER SCIENCES SKILLS**

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- Environment Windows, daily user of **GNU/Linux**.
- Programming **C (multi-threading, semaphore, signal, shared memory)**, OpenMPI, **C++/VC++**, COM, MIDL, Qt, Boost,  
**Android**: Geo-location application with travel optimisation.  
**Python**: **Unitest, multi-threading**.  
Java, j2me, C#, Android SDK, embedded devices programming, ADA, SQL, Shell bash, Latex, VB6/VB.Net/VBA/VBScript, Ruby.

- Web PHP, MySQL, Joomla, Javascript, Ajax, Flash-ActionScript.
- Other Matlab, Scilab, Prolog, **operational research** and **optimisation**, multi-agent systems, **distributed algorithms**, **graph theory**, Petri network, database administration with Oracle.

## LANGUAGES

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- French** **Native.**
- English** **Good level of spoken and written English.** Ability to communicate in a professional environment. Worked eight months in London in an English company and followed a semester of courses taught in English.
- German Average (lived 5 months in Germany).

## LEISURE AND HOBBIES

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- Sports **Roller skating, juggling** with clubs and balls, football, badminton.
- IT Interests New technologies, smartphones, reading books (mainly about computer science).
- Travels UK, Ireland, Denmark, Germany, Belgium, Switzerland, Netherlands.