

Fabien DONIUS

fabien.donius@crae.info
http://www.crae.info/

French driver's licence
26 June 1987

R&D ENGINEER, EMBEDDED SYSTEMS

Education

2006 – 2011	Engineer diploma at ECE Paris , with a specialisation in Embedded System and Research & development in Paris, France.
Fall semester 2010	Semester of study in engineering at the University of Iceland in Reykjavik , Iceland.
Fall semester 2008	Semester of study in engineering at the Concordia University in Montreal, Canada.
2006	"Baccalauréat Scientifique" (S) passed with distinction.

Work experiences

Since October 2014	Real Time Engineer at Mikron Automation SA in Boudry (NE), Switzerland Assembly machine realtime framework development. Employees training. Build and tests server development. Impulsion to turn the project managment to Agile method.
April 2011/July 2014	Integration Engineer at Rollomatic SA in Le Landeron (NE), Switzerland Integration of a laser and other subsystems (vision, power measurement...) in a 5 axis CNC . Development of the communication and human interface system.
January 2011	Graduation Project in Qarnot Computing based in Telecom Paris . The goal was to design an embedded system to manage UCs.
June/December 2010	Designer and developer of AutoSummary Microsoft Office PowerPoint plugin creating automatic summary.
May/August 2010	Optimisation Engineer at Siemens Industry Mobility (Railways) in Chatillon (92), France Optimisation of the energy consumed by train. Implementation of the new model in simulator .
2009 – 2010	Development of a glucometer for smartphone as a Multidisciplinary Project in Team at ECE.
June/August 2009	Database Developer at ELA Medical - Sorin Group (Medical Devices) in Montrouge (92), France Conception of a high reliability components database for devices for heart treatment. Integration of search modules.
June/July 2008	Webmaster at OuïFM (FM broadcast) in Paris (75), France Research solution to update the website (Analysis of CMS and other tools). Analysis of the needs and problems in the actual website. Creation of the data base and organization of the back office.
July 2007	Laboratory Employee at Sanofi-Aventis (Pharmaceutical) in Vitry sur Seine (94), France Schedule tasks and followed of the good laboratory procedure (GLP).
Mai 2007	Presentation of Error Correcting Code during the day of science at the ECE.
August/September 2006	Software Developer at Sanofi-Aventis (Pharmaceutical) in Vitry sur Seine (94), France Developed the software necessary in order to facilitate the easiest deployment of applications and sharing knowledge of known problems. Writing documentation of the tools.
June/December 2004	Webmaster for l'Association Saint Maurice du Perreux (Sports and Leisure Voluntary Association) (94), France Creation and designing the website with back office in relation with the communication responsible.
December 2001	Software architect assistant at Bouygues Telecom (Mobile Phone Company) in Vélizy (78), France Survey of the employees. Discovery of the telecommunication and computer science sectors.

Continuous training

2015	B&R Automation Safety training (Motion included).
2014	AlphaCAM training in MWPprogrammation (BE), Switzerland.
2013	Rhinoceros CAD and parametric plugin Grasshopper training in 3dtraining (VD), Switzerland.
2012	Microsoft WCF and WPF technologies training at ISEIG, Lausanne (VD), Switzerland.

2007

Office SharePoint Server 2007 presentation at **Microsoft** France.

Skills and competences

Computer Science

Electronic systems: digital (Microcontroller, FPGA ...), analog (Operational Amplifier, Sensors ...).
Embedded **operating systems** (Windows Embedded, VxWorks ...).
Programming languages (C#, C++, Java, MatLab, PHP, XHTML ...).
Server Platform (Windows Server, Apache).
Office suite, Visual Studio, design software, project management software.

Languages

English independent user.
German basic user.

Hobbies and activities

- **Photography** with several exhibitions.
- **Founder** of a voluntary association **EatMusic**: producing concerts and exhibitions.
- Trip to Cuba and to Morocco with real contact with the local population.
- Badminton and rowing.