

Robin Beilvert

Student Electronics Engineer

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Available from 1st March 2016

Education

- Sept.2015– Feb.2016 **Exchange program**, *HUST*, Wuhan, China, Electronic Information and Communication.
Courses especially taken : computer network, advanced signal processing, digital communication, Chinese.
- 2013–2016 **Engineering school**, *INP ENSEEIHT*, Toulouse, France, Electronics and Signal Processing.
Graduation expected in 2016. Courses especially taken : mathematics and signal processing, analog and digital electronics (Transistor circuits, VHDL, FPGA, ...), electromagnetism, programming (C/C++).
- 2011–2013 **Two-year intensive highly-selective course to prepare for competitive entrance examinations to National Engineering Schools**, *Lycée Clemenceau*, Nantes, France.
Courses included : Mathematics, Physics, Engineering Sciences
- 2011 **Scientific Baccalaureate, equivalent of A-level, with distinction**, *Lycée Notre-Dame d'Espérance*, Saint-Nazaire, France, Subjects : Mathematics, Physics, Chemistry and Biology.

Experience

- June - August 2015 **Internship**, *LAAS-CNRS*, Toulouse, France.
Design and implementation of a control framework for Unmanned Aerial Vehicle
- 2014-2015 **Project**, *Robotics club 7Robot, ENSEEIHT*, Toulouse, France.
French Robotics Cup : Development of electronic cards, embedded software development, actuators, sensors, project management, sponsors management. **Quarter-finalists**, 7^e/180 after the qualifying matches.
Freescal Cup : Conception of a line following model race car : sensors, signal processing, control loops.
Entertainment : Design and building of an interactive 3D LED cube of 512 bi-color LEDs.
- August 2014 **Internship**, *Cofely Services - GDF Suez*, Nantes, France.
Climatic installation and maintenance mostly on the sites of Ifremer, Oniris and Banque Populaire.
- July 2014 **Project**, *Eva Albarran*, Toulouse, France.
Study and reproduction of sap flow measurement Granier probes, implementation of a datalogging module for their test. In collaboration with a CNRS Research Director, for the 2015 Venice Biennale.
- 2013–2014 **Project**, *7Robot, ENSEEIHT*, Toulouse, France.
French Robotics Cup : 77^e/160. **Freescal Cup** : 2nd national position. Qualification for European sessions.
- 2012–2013 **Project**, *Clemenceau supervised self-help work TIPE*, Nantes, France.
Design and implementation of a stepper motor and its combinatorial logic-based control board.

IT skills

OS	GNU/Linux, Microsoft Windows	Software	MPLAB X, Matlab/Simulink, Eclipse, git, Vim, Orcad, ADS, Eagle PCB Software
Programming languages	C/C++, Python, L ^A T _E X, Assembly, VHDL	Electronics	Analog and digital electronics, PIC/Arduino implementation

Languages

- English **Fluent**. TOEIC score : 905. European level B2. Training in presentations, meetings, report writing.
- Spanish B1 Good working knowledge
- Chinese A1 Basic. 160 hours of Chinese lessons included in HUST semester and two weeks student residence spent in May 2014 (Pékin, Xi'an, Xiangyang, Shanghai).
- French Native speaker

Interests/Hobbies

- Associative **President 2014-2015 of ENSEEIHT Robotics Club 7Robot**. Team management, projects management, sponsors management, training for beginner students.
Vice-president 2013-2014 of the club CarnavalINP. Building a float for the carnival of Toulouse, contact management, team management.
- Music Guitar (autodidact) and violin (autodidact beginner)
- Sport Climbing. Dance in pairs : Rock, Swing (Lindy Hop), 14 years of Alpine skiing