Le Genestel
50700 Valognes
France
rom.reignier@gmail.com
+33 6 09 52 16 18
23 years old
Driving License

Engineering

Design of Systems
CAD & CAM
Resistance of the materials
Electronics
Digital methods
Automatics
Robotics
Computer Vision

Computer Skills

Programming
C, C++, Python, Matlab, Simulink, LabView, Java, OpenCV, Qt, Git

Embedded
Robot Operating System (ROS), GNU/Linux (Kernel driver, Yocto, Buildroot), Arduino, AVR, dsPIC, ARM Cortex M, mbed

CAD
CATIA V5, SolidWorks, ADAMS

Web Development
HTML5, CSS3, PHP, MySQL

Office Automation Programs
Word, Excel (Visual Basic), PowerPoint, Access, Project, LaTeX

Languages

English: Advanced level (TOEIC: 920 pts)

Spanish: Baccalaureat level

German: Basic

Sports

Cycling, road & MTB
Running

Hobbies

Robotics
Electronics
Mechanics
Gardening / Farming
Photography
First level diploma in aeronautics

Travels

Malaysia, Singapore, Togo
InterRail 2014 : Amsterdam, Berlin, Prague, Vienna, Geneva

Romain REIGNIER
Mechatronics & Robotics Supméca Engineer

Experience

March 2015 – August 2015, CEA – *Marcoule, Languedoc-Rousillon*
Engineer internship: Implementation of ROS and the Gazebo simulator on a hexapod robot. Developpment in C++ of a new gait for uneven terrain to be used for investigation in nuclear dismantling.

October 2014 – February 2015 Supméca – *La Garde, PACA*
3rd year projects:
– Design study of a mobile manipulator robot for nuclear sanitation in partnership with the CEA.
– Sensors implementation in a vacuum cleaner to monitor the energy consumption on an Android app via Bluetooth LE for the LISSMA laboratory.

April 2014 – June 2015 Supméca – *La Garde, PACA*
2nd year project: Upgrade of a pneumatic PLC installation. Mechanics and Grafcet & Ladder programming.

September 2013 – January 2014, R&D CLAAS Tractor – *Vélizy, Île-de-France*
Assistant engineer internship: Work with the HVAC expert on the project to improve the AC in the cabin of the tractors. Analysis of data from simulations and tests, design optimizations then prepare industrialization.

January 2013, DCNS – *Cherbourg, Normandy*
Operator internship: Work with numerical machine tools (milling, boring machines and lathe) in the construction workshop of French nuclear submarines.

2006 – 2012
Various jobs: Deauville International Polo Club, EPR construction site for Électricité de France, appliances maintenance, machining operations, farming.

Projects & Associations

Robotics club of Supmeca Conception, making and programming of robots for French Robotics Cup (Eurobot) 2013, 2014 and 2015.

Supwave Supervisor of the electronics in an autonomous sailboat.

Aerocorp Manager for the electronics of a radio-controlled model aircraft.

Supmeca Sans Frontières Humanitarian association which has the aim of bringing water to a Togolese orphanage.

Scouts et Guides de France Boyscout for 8 years. Chief on a summer camp in 2012 and Humanitarian project in Togo in August 2013.

Education

2012 – 2015, Supméca Engineering School – *La Garde, PACA*
Institut Supérieur de Mécanique de Paris (ex CESTI)
A selective Mechanical Engineering school,
Major in **Robotics and Mecatronics Systems**.

2014 – 2015, University of Toulon – *La Garde, PACA*
Master of Sciences in Physics and Engineering Sciences,
Specialization in **Vision and Control**.

2009 – 2012, CPGE Victor Hugo – *Caen, Normandy*
Highly selective classes to prepare for the competitive exams to the Grandes Ecoles. Physics and Sciences of Engineer.