

WORK EXPERIENCE

- Since Sept 2012 **R&D Engineer - Dassault Systèmes** (Vélizy-Villacoublay, France)
 Development and maintenance of user interface infrastructure (Web and C++) of all the company's software (CATIA, Solidworks ...).
 ◇ Analysis of the needs
 ◇ Implementation, test and documentation of new features
 ◇ Maintenance of existing feature
 ◇ Daily interactions with applications or specification teams
- 2012, Feb-Aug **R&D Intern - Dassault Systèmes** (Vélizy-Villacoublay, France)
 Participation in the development of a design and simulation prototype of garments in 3D (Visual studio, C++, MeshLab, CATIA V6)
 ◇ Flattening 3D shapes with constraints (Finite elements method)
- 2012, June-Aug **R&D Intern - Intespace** (Toulouse, France)
 Participation in the development of the new Graphical User Interface of the software developed by the company. (C++ and Qt library)
- 2009, May-June **Observation Intern – AIRBUS Defence and Space** (Toulouse, France)
 Computerization of the definition of the software interfaces / equipment of the Telecommunication satellites.

EDUCATION

- 2009 – 2012 **ENSIMAG Engineer** (National Higher School of Applied Mathematics and Information Technology of Grenoble) - Specialization: MMIS-IRVM - Mathematical modeling, Vision, Graphics and Simulation - Images, Virtual Reality and Multimedia.
Projects:
 ◇ Conception/Prototyping an interactive system using new generation of Man/Machine Interface (Wii remote, virtual reality helmet, ...) for interior design
 ◇ 3D Animation of a quadruped by skinning method (using Maya) [*Supervisor : Lionel Reveret (INRIA)*]
 ◇ 3D Graphics Project: rendering and animation of a deep-sea diver swimming / walking on the sandy seabed (focus on OpenGL real-time rendering and animation)
 ◇ Development of a graphical drawing program from scratch
- June 2007 Science-based high school diploma (A level Equivalent); Saint-Exupéry High School (Blagnac)

SKILLS

Languages: English (Competent - TOEIC 980/990), Spanish (intermediate), French (Native)

Technical skills:

- ◇ Programmation languages: C++, C, JavaScript, HTML5/CSS3, Java, Ada, SQL, Pascal, Tcl/tk
- ◇ Libraries: OpenGL/GLSL, Qt
- ◇ Software: Visual Studio, Atom, CATIA V6, Maya (inclus MEL-script et API C++), Scilab, Matlab
- ◇ Operating systems: Windows, Linux, Mac

HOBBIES / INTERESTS



Diploma of music theory from the Blagnac Music Academy [2006]
 Played the guitar at the Blagnac Music Academy for 13 years



Drawing, Manga et photography



Sport: Volley-ball, tennis, rugby, Zumba and Pilates



Associations: Member of the ENSIMAG Sports' Association.
 Member of an Association of the 'Village fete' (Cruéjols, France)