

## Software engineer

2 years of experience

---

### Career summary

- Act.   ▶ **SpirOps** : ENGINEER / RESEARCHER (since 2010, March) - a private scientific research lab focused on Artificial Intelligence issues.
- ▷ **Romeo Project** (projetromeo.com) aimed to build robots for handicapped :
    - Design of natural speech between human and computer.
    - Choice of sentences to tell from vocal recognition and presence sensor.
    - *C++* and *Python* modules development for *Nao* Robot (ALDEBARAN ROBOTICS), with integration into Choregraphe software collaborating with external partners.
    - Making of demonstrator for presentation for investors.
  - ▷ Tools maintenance and evolution : internal libraries, software : SPIROPS AI (decisional engine) and SPIROPS CROWD (crowd simulation)...
- 2009   ▶ **Eden Games (Atari)** : PROGRAMMER : (intern-ship from February to August). Responsible for the «replays» mode for **Test Drive Unlimited 2** video game (PC/PS3/XBox360).
- ▷ Coding in *C++* and *C#* et documentation writing inside a twenty people team from different vocations (designers, graphics, musicians...).
  - ▷ Making various 3D cameras with special effects (shaking, inertia...) and an intelligent editing algorithm.
- ▶ **Personal project** : OpenAlchemist - <http://www.openalchemist.com> - Video game written in *C++*.
- 2008   ▶ **VFS-Bio** : PROGRAMMER (intership from May to August). Design and programming of a tool (graphical user interface) written with *Java* for describing bio-mathematical models.
- 2007   ▶ **Packard Bell** : PROGRAMMER (intership from June to August). Add new features and new tools for an intranet application written with *PHP* and *Oracle*.

### School

- 2009   ▶ Diploma of the «Institut de Mathématiques Appliquées (IMA)» (Institute of Applied Mathematics) of the «Western Catholic University (UCO)» in (Angers) - Good distinction.
- ▶ «Logistic Engineering and Computing» Master. (IMA - UCO) - Good distinction.

### Skills

- ▶ PROGRAMMING
- ▷ Languages : C/C++, Java, C#, scripts (Groovy, Python, PHP, Apache Velocity...).
  - ▷ Using GNU/Linux and Windows.
  - ▷ Tools : Visual Studio, Git, Mercurial, Perforce, Subversion, Make, GCC, Visual Assist, Netbeans, Eclipse.
  - ▷ Database (SQL).
- ▶ LANGUAGES
- ▷ **English** : Good skills. 2009 TOEIC score : 850 / 990.
  - ▷ **Spanish** : Average skills. One school semester in the «Universidad Pontificia de Salamanca», Madrid, in 2007.

### Interests

Computing, music, theatre, cine, reading...