

Nicolas Silva

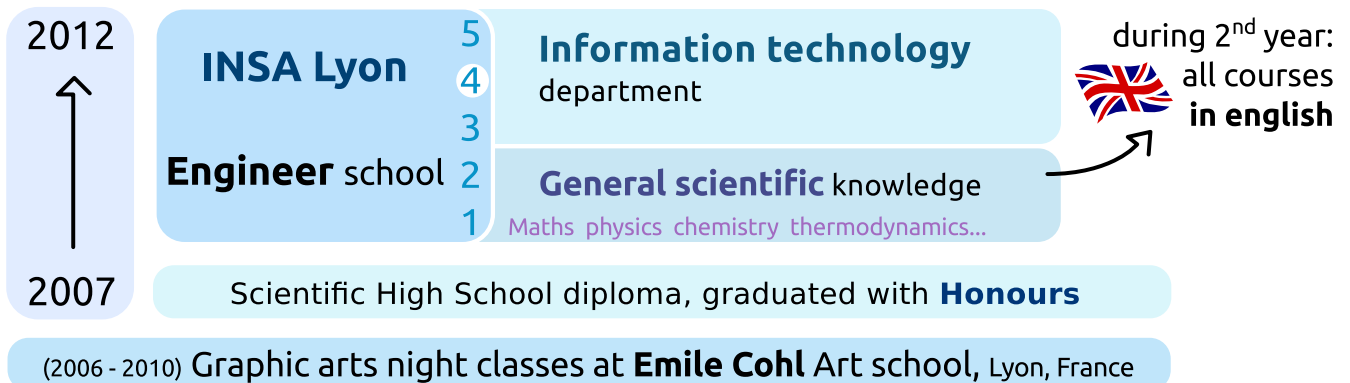
12 Rue Romarin,
69001, Lyon, France
nicolas.silva@gmail.com
(+33)642024837

Student
Mobility: international

Career plan

Software architect in creativity related software development

Education



Computer science skills

Software Engineering
Object oriented programming
Software **quality** UML USDP
Project **management** Agile methods
Network/Real time/Multi-task **Programming**

Python **Java** SQL
c **C++** D₂ HTML
Pascal LaTeX CSS
Matlab Mapple Basic **svg**
Prolog Datalog

Qt4 Boost
OpenGL
Cairo
Vtk VST

Git Svn gdb CMake vim
Mercurial Netbeans Eclipse
Doxygen make CodeBlocks

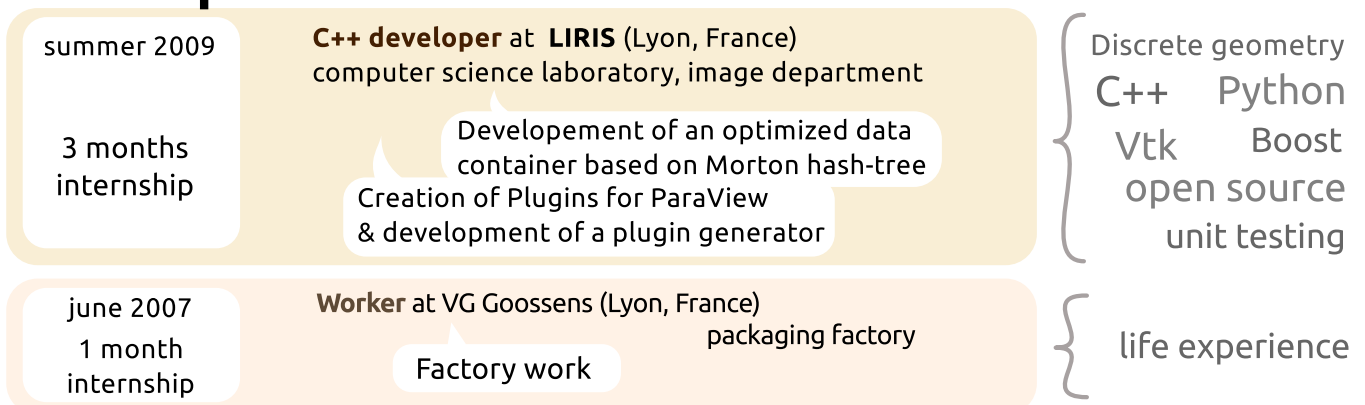
GNU/Linux
Windows xp/7
VxWorks

Languages

English: fluent
French: native language
Spanish: Read, spoken, written

2008-2009: All courses in english (1 year)
2004: 2 months in Australia (student exchange)
2003: 1 month in Argentina

Work experiences



Projects

Since August 2010 (3 contributors)
Architect / Developer / Project manager
 Free, cross-platform and generic
node compositor library
 in **C++**



<https://github.com/nical/kiwi/wiki>

2007: (alone on the project)
Developer
 3D object loader for wavefront (.obj)
 files in **C++/OpenGL**



<https://github.com/nical/oldStuff>

2007: (school project) (alone on the project)
Architect / Developer
 Simple **raytracing** 3d Renderer in Pascal

2009: (school project) (6 contributors)
Developer / GUI designer
audio filter (VST plugin) performing a
 convolution reverb
 in **C++**



<https://github.com/nical/redverb>

2008
 History of **Arts** paper (in french)
 title: *Un dialogue entre l'Art et l'Homme*

<https://github.com/nical/pph>

2011 (currently in construction)
 Paper (in french) about the
 influence representation on **creativity**

<https://github.com/nical/pph>

most of the other projects are available
 on github: <https://github.com/nical/>

Associative involvement at INSA Lyon (2007 - 20011)

- 4th year: **Graphist** for the student union (annual budget: **500k€**)
 Organizer of various campus events (new students welcoming weekend,
 IT department recruitment forum, IT department tee-shirts)
- 3rd year: **Graphist** for the student news paper *l'Insatiable* (1000 impressions / 2 months)
 Organizer of the INSA Lyon Gala, decoration team (budget: **180k€**)
- 2nd year: **Graphist** for the student club INSA **Game Creator**

Interests & activities

Graphic arts

Drawing, Painting, infography

Music

Piano & guitar

Free/Open-source actuality

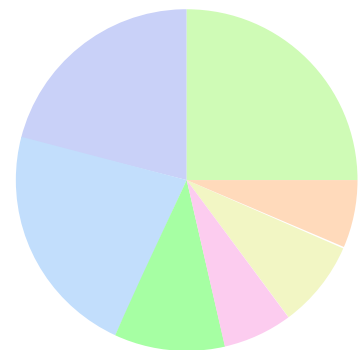
Programming
 (self-educated)

Reading

Sport

Ski, natation

Gaming



... and everything that keeps in a **creative** state of mind!

Referees

David Coeurjolly: david.coeurjolly@liris.cnrs.fr <http://liris.cnrs.fr/david.coeurjolly/>
 Christian Wolf: christian.wolf@insa-lyon.fr <http://liris.cnrs.fr/christian.wolf/>