

356 av. de Fès, C217  
34080 Montpellier  
France  
+33 (0)6 85 13 39 85  
sim.boy@gmail.com

# Simon Boyé — PhD in Computer Graphics

Image synthesis & Geometric modeling

## Experience

November 2015 – January 2018

### The Foundry : R&D

Design of vector graphic tools to draw directly on the surface of polygonal meshes

October 2014 – September 2015

### Inria Bordeaux : Software development

Development of *Patate* library (*Vitelotte* module) [[gitlab.inria.fr/patate/patate](https://gitlab.inria.fr/patate/patate)]

Development of *Patate*-related plugins in *Gratin* [[gratin.gforge.inria.fr](https://gratin.gforge.inria.fr)]

October 2009 – August 2013

### University Bordeaux I : PhD & teaching

Software development : Unpublished prototypes, *Meshlab* plugin

Publications : Siggraph Asia 2012, Pacific Graphics 2010

Teaching : Image synthesis, image processing, C++, ...

## Education

October 2009 – Décembre 2012

### PhD in computer science, LaBRI, University of Bordeaux

Subject : "Hybrid representation for interactive geometric modeling"

Supervisors : Gaël Guennebaud and Christophe Schlick

September 2006 – June 2009

### Master in computer science, university of Bordeaux, *magna cum laude*

Specification : Image synthesis and geometric modeling

Master thesis at LaBRI with Gaël Guennebaud : "MLS applied to polygonal meshes"

September 2003 – June 2006

### Licence of computer science, university of Bordeaux, *cum laude*

## Professional Skills

Programming languages

[Avancé] C++, GLSL, Python, C [Intermédiaire] Java, JS, script shell, PHP [Notions] Rust, Haxe, LISP, ...

Documents / data languages

HTML5, SVG, CSS, Json, XML, Latex

Software libraries

OpenGL, Qt, Eigen, SDL2, CGAL, Surface\_mesh, VCGLib, OpenMesh, libIGL

Computer graphics / 3D [\* plugin development]

GIMP, Blender\*, Inkscape, Meshlab\*, Maya\*

Languages

French [mother tongue] English [fluent]

OS

Linux, Windows, MacOS X, Android

## Interests

Games

Video game, including casual development (Ludum Dare) [[github.com/draklaw](https://github.com/draklaw)]

*Murder party* organization and animation (~50 players)

Tabletop role playing game (player & game master)

Music

Instruments : guitar, piano

Founder and first president of the LaBRUIT (LaBRI's musicians association)

More details available at [www.simonboye.net](http://www.simonboye.net).