David Poirier-Quinot

PhD Computer Science, Telecom Engineer

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WORK EXPERIENCE

NOVEMBER 2015

Imperial College of London
Postdoctoral Researcher

Study of the impact of room acoustics on 3D audio perception.

MARCH 2015 – NOVEMBER 2015

LIMSI - CNRS
Postdoctoral Researcher

Room acoustic simulation and 3D sound design for virtual reality.

SEPTEMBER 2011 – JULY 2012

LIMSI - CNRS
Research Engineer

Development of BlenderVR: stereoscopic rendering in VR environments. Implementation and deployment of sound spatialization systems (Ambisonic, Binaural, WFS).

FEBRUARY 2011 – AUGUST 2011

Airbus Defense & Space
Final year project

Market survey on Location Based Services for GSM, UMTS and LTE standards.

JULY 2010 – SEPTEMBER 2010

IR4M - CNRS
2nd year project

Microquartz scale design, hardware (PCB, components) and software (VHDL, C) design.

SKILLS

ENGLISH, FRENCH	Fluent, both written and oral.
SPANISH	Basic.
COMPUTING	Python, Java, C#, C. Matlab, Blender, Unity, MaxMSP, Pd, CATT, Gimp.
OTHERS	Intellectual Property: stakes and procedures. Scientific writing. Functional analysis.

EDUCATION

FEBRUARY 2012 – MARCH 2015

LIMSI - CNRS (Orsay – France)
PhD in Computer Science

Design of a Radio Direction Finder (DF) for Search and Rescue operations. Survey on Direction Of Arrival techniques, interfacing of propagation models and virtual environments for ecological assessment of DF designs performance. Implementation of a DF prototype based on Software Defined Radio. Investigations on sonification and psychoacoustics to design an intuitive DF sound-based interface. *Signal Processing, Telecom, RF, Acoustics, Ergonomics, VR and Sound Design.*

2008 – 2011	**Master Degree, Telecom Engineer** ENSEA *Major in Computer Network and Telecommunications.* *Cergy – France*
2006 – 2008	**Preparatory classe** ENCPB *National school of Physics, Chemistry and Biology.* *Paris – France*
2003 – 2006	**Scientific A-level** DESCARTES HIGH SCHOOL *Montigny le Bx – France*

SELECTED PUBLICATIONS

INPI (2014)	**Patent (pending), GSM based location.** *Airbus D&S, CNRS,* *with F. Cibaud,* *L. Girardeau and* *B. F.G. Katz.* *FR 14/59915.*