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Born 04.10.1989
French
Single
Driving license in 2007

Education

July 2013	**Highest mathematics competition for teaching** *Aggregation de Mathématiques.*
2010–2013	**Master of mathematics** *M2 of research in Mathematics, Vision and Learning with honours.* École Normale Supérieure de Cachan.
2007–2010	**Classe Préparatoire aux Grandes Écoles.** *Advanced and intensive class in Mathematics and Physics to prepare competitions for best schools of France.* Pierre De Fermat highschool, Toulouse.
August 2008	**Intensive English courses.** *4 hours of courses a day, cultural visits.* Kingston University.
2004–2007	**Secondary school.** *Graduate with highest honours in science (Baccalauréat Scientifique). Advanced Mathematics, Physics, Chemestry, Biology, Philosophy, History, Geography.* Bellevue highschool, Toulouse.

Summary of Research

2013–Now	**Phd supervised by G. Peyré and C. Monier** *Mathematic and Neuroscience. Texture synthesis for vision. Psychophysic for the study of speed perception. LFP and VSDOI for the study of the cat visual cortex.* Dauphine University, Paris. Unité Neuroscience, Information et Complexité (UNIC-CNRS), Gif-sur-Yvette.
2011–2012	**Internship at the CMLA-UIB with J-M. Morel and B. Coll.** *Texture synthesis : improving of the Portilla-Simoncelli algorithm (statistical tools, optimization).* Universitat de les Illes Balears, Mallorca. Centre de Mathématiques et de Leurs Applications (CMLA), Cachan.

Summary of Teaching

2013–2015	**Analysis, Linear Algebra, Differential Calculus.** *Three hours a week.* Dauphine University, Paris.
2011–2013	**Examiner in mathematics.** *Two hours a week.* Janson de Sailly highschool, Paris.

Papers

2015	**Biologically Inspired Dynamic Textures for Probing Motion Perception** *Conf. Neural Information Processing System (NIPS).* Link
2013	**The Heeger-Bergen Pyramid Based Texture Synthesis Algorithm** *Journal. Image Processing Online (IPOL). Detailed algorithm, online demo, open source code in C.* Link

Awards and Scholarships

2012–2013	**Excelence Master Scholarship** *Funding of 10 000 euros by Fondation de Mathématiques Jacques Hadamard (FMJH)* Link

Languages

French : native
English : fluent
Spanish : basic knowledge

Computer Science

System : Windows, Linux
Language : Matlab, Python, basis in C/C++

Interests and other activities

Sports : handball, hiking, tennis, . . .
Video/Board Games : hearthstone, megawatt, smallworld, . . .
Music, cinema, . . .
President of the association "Les sENS de l'Art" in 2012 : in charge of the organization of the annual art and music festival of ENS Cachan (budget : 40 000 euros)