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Born 04.10.1989
French
Single
Driving license in 2007

## Education

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|---|---|
| July 2013 | **Highest mathematics competition for teaching** *Agregation 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

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| 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

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| 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

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| 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

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|---|---|
| 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)