

Education

- 2010–present **Double degree: Imperial College London & ISAE - SUPAERO.**
- **MSc Physics**, Distinction (80/100), Imperial College London, London, UK
Graduation date: Nov 2013
Specialization in astrophysics, plasma physics, cosmology and biophysics of nerve cells
 - **Diplôme d'ingénieur**, ISAE-SUPAERO, French Graduate School of Aerospace Engineering, Toulouse, France
Expected Graduation Date: March 2014
 - *Final year*: Major in Sciences of the Universe and Applied Mathematics (high performance computing, numerical methods analysis, multi-physics, multi-objective and multi-domain programming)
 - *2nd year*: brain-computer interface, DNA biophysics, stochastic processes, control theory, fluid dynamics
 - *1st year*: Minor in Astrophysics
- 2008–2010 **Lycée Kleber**, *Undergraduate Program in Physics, Mathematics and Technology*, Strasbourg, France.
An intensive two-year preparatory course in mathematics and physics for competitive entrance into France's leading school of science and engineering
- June 2008 **Scientific Baccalauréat**, *passed with highest honors*, Ribeauvillé, France.
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Experience

- June–September 2013 **Master thesis**, *Imperial College London*, London, UK.
- Title: *Effects of Psilocybin on the human functional brain network*
 - Supervisor: Tim EVANS
 - Description: Application of graph theory to neuroscience. I used MEG data to build complex networks representing the functional connectivity within the human brain.
- June 2012 **Second year project**, *ISAE-SUPAERO*, Toulouse, France.
Study of light-matter interaction in semi-conductor devices
Simulation and analysis of CMOS sensor interacting with high energetic photons.
- July 2011 **Volunteering mission**, *"Djidjole" a humanitarian organization*, Togo.
Organization of animations for children and I was also in charge of a reforestation mission.
- June 2011 **First year project**, *ISAE-SUPAERO*, Toulouse, France.
Movie production, director of a short-movie fiction.
- 2006–20012 **Summer jobs**, *Hotels and restaurants*, La grande-Motte and Ribeauvillé (France), London (UK).
I had several summer job experiences, as a waiter or cashier, in different countries of which the United Kingdom.

Languages

French	Mother tongue	Spanish	Intermediate (level A2/B1)
English	Fluent (TOEFL IBT: 104/120)	Russian	Beginner
German	Intermediate (level B1/B2)	Romanian	Beginner

Computer skills

OS	Windows, Unix (Linux), Macintosh	Softwares	Office Suite, Matlab, Fluent, LabView, LaTeX
Programming	Java, C, C++, Python, Visual Basics		

Activities and Interests

Music	Guitar, Saxophone (I played in a marching brass band)
Sports	Gymnastic, acrobatic rock'n'roll
Misc.:	I created a humanitarian society in my school of engineering. We distributed food to homeless people and had several partnership with other local organizations.
Hobbies	Painting, reading and cinema (I directed two short-movies by now)
	Driving License Yes