

## Education

- Dec 2016 **PhD candidate**, ENPC, IMAGINE-LIGM, Paris.  
In the context of transfer learning, investigating to what extent a classifier can be trained on synthetic data and then applied on real images.
- 2015–2016 **Master of Science in Machine Learning - MVA**, ENS CACHAN, Paris, France.  
The MVA is a research oriented master program at the crossroads between computer science and applied mathematics. It specializes in machine learning and computer vision.
- 2012–2016 **Master of Science in Engineering**, ÉCOLE POLYTECHNIQUE, Palaiseau, France.  
Receiving high-level education at the best French Engineering School. Acquiring sound and broad scientific knowledge.  
Specialized in Algorithmics.
- 2010–2012 **Classes Préparatoires**, LYCÉE STANISLAS, Paris.  
Intensive undergraduate studies to prepare competitive exams  
Majors : Mathematics, Computer Science and Physics.

## Research Experience

- 2016 **Research intern**, EPFL, BIOMEDICAL IMAGING GROUP, Paris.  
*Steerable Convolutional Neural Networks for Texture Classification*  
In order to classify medical textures, explored a way to add built-in invariance to small Euclidean deformations (especially rotations) in Deep Networks, using steerable filters. A paper is ongoing.
- 2015 **Research intern**, TELECOM PARISTECH, TEAM 3D COMPUTER GRAPHICS, Paris.  
*Interactive Monte-Carlo Ray-Tracing Upsampling*  
Designed a rendering algorithm for real-time previzualition. It heavily relies on the Nvidia's parallel rendering framework : OptiX. Presented a poster at Eurographics 2016.

## Work Experience

- 2014 **Work placement**, HSBC BANK CHILE, Santiago, Chile.  
Developed tools in Visual Basics to automate several processes.
- 2013 - 2014 **Teaching assistant in preparatory classes**, LYCÉE STANISLAS, Paris.  
Assistant teacher tutoring students for highly competitive exams.
- 2010 - 2011 **Military training and Civil Service**, PARIS FIRESQUAD, Paris, France.  
Full-time officer of the rescue center of Paris northern area, leading rescue missions.

## Computer skills and Languages

<b>Main</b>	MATLAB, PYTHON, LUA, C++	<b>French</b>	Mothertongue
<b>Others</b>	HTML, CSS, JAVASCRIPT	<b>English</b>	Fluent - <i>IELTS</i> : 7.5
		<b>Spanish</b>	Working knowledge

## Interests

- Sports** Cyclism (cycloSPORTIVES, cyclo-camping), Running
- Dance** Cuban Salsa enthusiast