Mélanie **Ducoffe**

5 months internship in Deep Learning

about
22 years old
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France

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languages
french (mother tongue)
english (reading/writing/speaking, TOEIC score 930)
japanese & italian notions

programming
Java, C++, C, C#, Matlab
OpenGL, OpenCV, weka
CSS3 & HTML5

Interests

machine learning, data mining, computer vision, optimization, virtual reality, online scientific community (Kaggle & coursera) ...

Education

2013-2014	**Master 2 Research in Computer Science** ENS Ker Lan, Université Rennes 1, Rennes	
	Specialization in data mining, signal processing (image, text, language and music)	
2013	**Pass a specific concours to become a student at the French École Normale Supérieure** ENS Ker Lan , Rennes	
	placed 4th	
2011 2013	**Engineering degree in computer science, head of the class** École Polytech Nice, Sophia	
	Specialization VIM (Vision Image & Multimedia)	
2009-2011	**Classes Préparatoires aux Grandes Écoles, (MP, MP*)** Lycée Masséna, Nice	
	Preparation for national competitive entrance exams to leading French *grandes écoles*, specializing in mathematics and physics.	
2009	**French Baccalauréat S. with highest honor** Lycée Masséna, Nice	
	Specialization in mathematics	

Internship

02 07 2014	**Research internship**
	Rotation invariant sparse representation for 3D gesture recognition team PANAMA HYBRID, Inria, Rennes
	Supervisor : Rémi Gribonval, Anatole Lécuyer
08-09 2013	**Master 1 internship** Satoru Ushijima's lab, Kyoto University, Japan
	Flow modeling with reflection and refraction effects (OpenGL, GLSL shader)
08-09 2012	**Research internship**
	Study of a new variant of "Cops and Robbers" in game theory team COATI, Inria, Sophia
	Supervisor : Nicolas Nisse

Projects

2013-2014	**Skylark's song recognition**
	Recognition of dynamic drawings
2012-2013	**Genetic evolution of neural networks for airplane schedules**
	Visual recognition of sign language recognition
	Speech recognition with bag of words