Arthur Mensch

Ph.D. Student in machine learning

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17 Juillet 1992
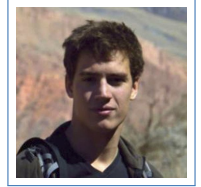
Education

09/2015–2018	**Ph.D. – to be obtained**, *Inria Parietal*, Saclay, France. Large scale optimization for brain imaging Supervised by Gaël Varoquaux, Julien Mairal and Bertrand Thirion
2014–2015	**Master of Science**, *École Normale Supérieur de Cachan*, Cachan, France. MVA : Mathematics for vision and machine learning
2014–2015	**Engineer Degree**, *Télécom ParisTech*, Paris, France. Computer Science, Applied Mathematics
2011–2015	**Engineer Degree, Master of Science**, *École Polytechnique*, Palaiseau, France. Applied Mathematics, Computer Science,Biology, Mechanics, Physics
2009–2011	**Preparation to entrance exams to *Grandes Écoles***, *Lycée Hoche*, Versailles, France. Mathematics, Physics, Computer Science
2009	**Baccalauréat International**, *Lycée Jean-Pierre Vernant*, Sèvres, France, mention Très Bien.

References

A. Mensch, J. Mairal, B. Thirion, and G. Varoquaux. Dictionary Learning for Massive Matrix Factorization. *International Conference on Machine Learning*, 2016.

A. Mensch, G. Varoquaux, and B. Thirion. Compressed Online Dictionary Learning for Fast fMRI Decomposition. *International Symposium on Biomedical Imaging*, 2016.

Research experience

05/15–09/15	**Intern Researcher**, *Inria Parietal*, Saclay, France. Improvement of dictionary learning techniques for brain imaging. Under Mr. Thirion and Mr. Varoquaux supervision
04/14–07/14	**Intern Researcher**, *McGill University, School of Computer Science*, Montréal, Canada. Analysis and modelling of heart dynamics and geometry – under Pr. Siddiqi supervision *High rewards from the Department of Applied Mathematics at École Polytechnique*

Work experience

09/12–05/15	**Teaching Assistant**, *Lycée Pasteur, Lycée Hoche*, Neuilly sur Seine – Versailles, France. Giving tutorials in mathematics at undergraduate level
07/13–08/13	**Intern Developer**, *Option*, Santiago du Chili, Chili. Realized back-end tools for administering targeted web advertisement
12/11–04/12	**Deputy Platoon Leader**, *1er Régiment d'Hélicoptères de Combat*, Phalsbourg, France. Commandeered a platoon of 30 people during its general military training in the French Army

Computer skills

Languages	Python, C++, Java, Matlab, PHP	OS	Linux, OS X, Windows

Languages

English	Fluent - C2	*Experience in Canada, in research, baccalauréat international*
Spanish	Advanced - C1	*Experience in Chile and Guatemala*

Hobbies

Guitar	Classic guitar
Sports	Running, biking, swimming