Arthur Pajot

153 avenue de Choisy – 75013 Paris – France

📱 +33 6 59 05 52 58 • ✉ arthur.pajot@lip6.fr
🌐 http://www-poleia.lip6.fr/ pajot/ • fr.linkedin.com/in/arthurpajot/

Education

UPMC, Paris, France

PhD in Deep Learning   2016–2019

The objective of the PhD thesis is to develop Deep Learning method and algorithm to analyze and forecast complex interaction network. My current research focus on the forecasting of complex climatological data, with the help of physical prior knowledge.

○ Published an article in deep learning and weather forecasting in La Recherche, a French popular science magazine.
○ Gave a talk about forecasting pacific SST with deep neural network at the France-Japan Machine Learning Workshop.
○ Participate in the organization of ICLR 2017 in Toulon.

ENS, Cachan, France

Master 2 in Statistical Learning (Mathematics, Vision and Learning),   2015–2016

Selected classes include : deep learning , computer vision, wavelet processing and probabilistical graphical models

ENS, Rennes, France

Master and Magistere of Computer Science   2014–2016

Entrance by competitive examination.

○ Project on gesture recognition using sparse representation. Using a sparse dictionary, the objective is to classify a gesture, given his representation and some spatial invariant. Under the supervision of Ferran Arguelaguet.

UPMC, Paris, France

Bachelor of Mathematics, with Honors   2012–2014

Bi-disciplinary selective program on mathematics and computer science (PIMA).

○ Summer school at Brown University.
○ Project : Inpainting with Neural Networks. Using auto-encoder, tried to encode part of images, in order to infers missing region, given some cohesion rules. Under the supervision of Ludovic Denoyer.

Experience

UPMC

Teaching Assistant   2016-2019

During my PhD I have the opportunity to teach some class (Java, Introduction to programming, statistical learning)

UPMC

Internship   Summer 2016

The objective of the internship was to design efficient online algorithms to efficiently optimize convex objective function, under submodular constraints. Under the supervision of Patrick Gallinari

Osaka University

Internship   Summer 2015

The objective of the internship was to design efficient online algorithms to efficiently optimize convex objective function, under submodular constraints. Under the supervision of Takashi Washio and Yoshinobu Kawahara.

UPMC

Internship   Summer 2014

Internship in the statistic department (LSTA) at UPMC, under the supervision of Gerard Biau and Yvon Maday. The aim of the internship was to help the researchers to propose their scientific expertise to Kila-System, a firm dedicated to predict media-user comportment. I focused more particularly on Random Forest, some of their property, and their implementation under the map-reduce paradigm.

Publications

Arthur Pajot, Ali Ziat, Ludovic Denoyer, and Patrick Gallinari. Incorporating prior knowledge in spatio-temporal neural network for climatic data. In *Proceedings of the 6th International Workshop on Climate Informatics: CI 2016*, pages 73–76, 2016.

Computer skills

Python, Matlab, C/C++, Tensorflow

Languages

French: Native

English: Fluent   *level : CLES B2*