Hadrien Bertrand

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Experience

Philips Research Medisys **Paris**
PhD *November 2015 – December 2018*
Thesis on deep learning and transfer learning applied to medical imaging problems, such as the classification of field-of-view in MR images or the segmentation of the kidney in 3D ultrasound images.

Institut de Neurosciences de la Timone **Marseille**
Internship *February 2015 – July 2015*
Validation of a Multi-Voxel Pattern Analysis method which uses a graph-based classification method. It extracts graphs from fMRI data, which are then classified by a SVM using a specialised kernel.

Ingenico, R&D department **Valence**
Industrial Project *January 2014 – June 2014*
Analysis of modern static code analysis methods to evaluate the faisability of automatic rules compliance on payment terminal applications, then development of such a prototype.

Kizeo **Avignon**
Internship *June 2012 – August 2012*
It is a small company who develops B2B software for smartphones and notably a CRM solution. I worked on a custom-made Android application which allows the user to browse through the catalogue of the client company.

Veolia Transport Valence **Valence**
Freelance *November 2011 – Mars 2012*
This company runs the bus network in Valence and is a subsidiary of Veolia. I developed an application on Android which allows the users to access the bus network map and bus schedule easily.

Education

Université Paris-Saclay - Télécom ParisTech - LTCI **Paris**
PhD *2015–2018*
Deep Transfer Learning for Multi-Modality and Multi-Task Anatomical Awareness

KTH Royal Institute of Technology **Stockholm**
Exchange Student (ERASMUS) *2014–2015*
Specialisation in AI and machine learning.

Grenoble INP ESISAR **Valence**
Master's degree *2010–2015*
Specialisation in computer science and networks.

Lycée Saint-Joseph **Avignon**
High School Diploma *2007–2010*
Specialisation in mathematics.

Languages

French: Mother tongue

English: Fluent *TOEIC score: 990/990 - Level C1*

Computer skills

Programming languages: C, Java, Python

AI and Machine Learning: deep learning, transfer learning, bayesian optimisation, classification, clustering, semantic segmentation, graphical models

Misc.: Android, Unix, SQL, Matlab, LaTeX, Git, UML, web development