



# PIERRE MAHE

26 YEARS OLD

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## Work Experiences

March 2018 currently	PhD at Orange Labs, Lannion / Paris — Ambisonic audio coding for immersive communication
Sept. 2016 to February 2018	R&D Engineer, Informatics and Signal Processing oriented for Digital Music Solution - Work on sources separation program for classical music
March 2016 to August 2016	Internship Signal Processing and Machine Learning oriented during Master ATIAM, Ircam, Paris — Framework creation to extract and analyse movement expressivity based on LABAN Theory, using Hierarchical-HMM
Janv. 2014 to May 2014	Internship during Masters Degree, UPMC, Paris — Creating of self contained sound device, for Michel Risse's (composer) performance.
June 2012 to July. 2012	Internship during 3rd university degree, at LaBRI, Bordeaux — Contribution and improvement of sound generator device controlled by EEG Helmet. Work on chords generation.

## Education

2015 - 2016 Master Degree ATIAM (Acoustic, Signal Processing, IT Applied to Music), at IRCAM, Paris  
2014 - 2015 Master 1 SAR (System, Distributed Applications), at Université Pierre et Marie Curie, Paris  
2010 - 2014 - Degree in IT with highest honors, at Université de Bordeaux, Bordeaux

## Skills

Signal Processing and Machine Learning  
Programming languages: **Python, Matlab**, Java, C, basic skills in: Lisp, C++  
Music Interaction languages: Max, Pure Data, Faust, Logic, Ableton, Faust.  
Audio Skills: Sound Recording, Mixing and MAO (Aubervilliers and Bordeaux conservatoire)

## Languages

French native language  
Fluent in english  
Basic Spanish

## Complementary Informations

Teaching assistant in Algorithmic and Programming, undergraduate level (approx. 40h)  
Deep Learning workshop and seminars organizations for PhD student in Orange Labs.  
Several musical activity: Trumpet in conservatory I played in several Bands and Orchestras: Orchestre Symphonique de Sorbonne Université, Funk Band.  
Driving Licence