

PhD student specialized in Acoustics & Signal Processing

M.Sc Research in Acoustics

Engineer specialized in Vibrations – Acoustics – Sensors

Education & Certifications

- Current year **PhD student specialized in acoustics & audio signal processing**, *Inria Rennes research center*, Rennes, *Research*.
- Early stage researcher for 3 years
 - Expected graduation: End of 2018
 - Project: Multilayered models for field-based representations and acoustic autofocus (acoustic representation, microphones arrays, crowd sensing)
- 2014–2015 **Master 2 Acoustics**, *Université du Maine*, Le Mans, *Research*.
- A University Master of Science under the authority of the French Ministry of Education and Research
 - Graduated in: 2015
 - Specialized in: acoustics
 - Projects: Characterization of inhomogeneous membranes vibrations (psychoacoustic descriptors, spectrum analysis, vibration behaviour)
- 2012–2015 **Acoustics and vibrations engineer**, *ENSIM - École Nationale d'Ingénieurs du Mans*, Le Mans, *Spécialité Acoustique - Vibration - Capteurs*.
- A University Engineering School in three years under the authority of the French Ministry of Education and Research
 - Graduated in: 2015
 - Specialized in: vibration, acoustics, sensors
 - Projects: With ONERA the French Aerospace Lab (acoustic measurements, signal processing, BEM modelling, correlation techniques)
- 2010–2012 **Diplôme d'Etudes Universitaires Générales**, *Université du Maine*, Le Mans, *Physique*.
- A two-year university degree specialized in: Computing, Optics, Mathematics, Mechanics
 - Projects: Creation of an graphic user interface to interact with a robot through WiFi
- 2009–2010 **One year preparatory class**, *Lycée Montesquieu*, Le Mans.
- Specialized in: Mathematics, Physics and engineering sciences
- 2007–2009 **Baccalauréat S (mention bien)**, *Lycée Marguerite Yourcenar*, Le Mans, *with Honours*.
- French baccalaureate: French secondary school diploma equivalent to British A-levels
 - Specialized in: Mathematics and Physics

Professional Experience

- March 2015–August 2015 **Engineer-in-Training / MSc Internship**, *Institute of Sound and Vibration Research*, Southampton, University of Southampton.
- Research work on auditory system, hearing in noise, speech intelligibility, signal processing
 - Setting up a listening experiment for people with normal hearing
- July 2014 **Industrial machine operator**, *Renault*, Le Mans, Renault Le Mans' Factory.
Production line loading, quality control tasks.
- July 2013 **Placement: worker**, *Renault*, Le Mans, Renault Le Mans' Factory.
Handling, cleaning and control.
- 2011–2014 June **Ticket inspector, controller**, *Automobile Club de l'Ouest*, Le Mans.
& July Hire based on personality, foreign language speaking skills to welcome a British public
Inform & inspect the tickets of car race spectators
- July & August 2010 **Temporary Worker**, *SCIE*, Trangé.
Part time work for an industrial oil recycling company
Stocktaking, storing, cleaning & dismanteling before warehouse relocation

Languages

- French **Native language**
- English **Fluent** ◦ *Obtained from doing numerous trips in English-speaking countries (England, Malta)*
◦ *Scored 945 out of 990 and 900 out of 990 points on TOEIC in April 2012 and May 2014*
- Spanish **Working knowledge**

Computer skills

Programming	C, C++, bash, python, distributed computing	Scientific softwares	MatLab, Labview, COMSOL, LMS VirtualLab, LMS TestLab
Operating Systems	Mac OS, Windows, Linux	Office softwares	Microsoft Suite, LibreOffice Suite, LaTeX
Computer Assisted Design	SolidWorks, Catia	Web	Html, CSS, CMS, WordPress, Jekyll

Interests

- 2008–Now **Club Alpin Français**.
Rock-climbing, skiing in a mountain sport association
- July 2012 **Ecole de musique de l'Antonnière**, *Sarthe*, FRANCE.
Project : Setting up of a music summer camp with acting, music, songs and a background story
- 2010–2012 **University Jazz Band**.
Playing the saxophone, performing concerts
- 1999–2009 **Music Schools**.
Learning & playing the saxophone, Singing in a choir

Extra

- Driving license