Maxence Bobin

Ph.D. candidate in Computer Science and engineer

Looking for a full-time position
as of November 2018

Ph.D. thesis (2015-2018)

title	*Study and design of instrumented rehabilitation objects for monitoring the motor activity of patients' upper limbs after stroke.*
supervisors	Mehdi Ammi, Margarita Anastassova, Mehdi Boukallel
location	LIMSI-CNRS, Laboratoire d'Informatique pour la Mécanique et les Sciences de l'Ingénieur, Paris-Saclay University
description	Conception, development and assessment of smart objects designed for monitoring activities of the daily living of stroke patients.
highlights	Stroke; Monitoring of motor activity of the upper limbs; Rehabilitation; Experimental Studies; Instrumented objects; Motor assessment

Education

2012–2015 **Engineer Degree**, *ENSIIE*, Evry.
Ecole Nationale Supérieure d'Informatique pour l'Industrie et l'Entreprise. Computer Sciences, Mathematics, Management, Communication and Foreign languages.
Bachelor Degree in mathematics at Evry Val d'Essonne University in 2013

2014–2015 **Master Degree**, *Paris-Saclay University*, Orsay.
Research in HCI (Human-Computer Interaction), Virtual and Augmented Reality

2010–2012 **Preparatory Classes (CPGE)**, *Lycée François 1er*, Le Havre.
MPSI/MP, Industrial Sciences option

2010 **Baccalaureate with honors**, *Lycée Saint Joseph*, Le Havre.
Scientific option with German economics-oriented classes

Experience

Vocational

2017-2018 **Teacher Assistant**, *IUT*, Orsay, 2 semesters.
- Graphical Algorithmic: implement algorithms to draw shapes on a pixel grid.
- Android project management: help a group of student to deal with project management (need analysis, requirements specification, distribution of tasks, implementation, progress management) during the conception and development of an Android application
- Object-Oriented Programming: basics on Object-Oriented programmation (Java)
- Android Programming: basics on Android programmation

2015	**Final year internship**, *LIMSI-CNRS*, Orsay, 6 months.
	Working on my thesis: State of the art on smart objects for post-stroke rehabilitation, conception and development of a first smart object prototype.
2014	**CTO in a start-up project**, *Zester*, Evry, 4 months.
	Pre-incubation at Telecom Sud-Paris start-up incubator. Working on an innovating start-up project and development of two Android applications in the bar area.
2013	**Internship**, *S2F Network*, Le Havre, 3 months.
	Creation of Web platform designed to manage customers equipments and set up of an automated link software between "MultiDevis" and the web platform.

Miscellaneous

2011–2013	**Private Tutoring**, Le Havre.
	Mathematics and Physics, for students in Premiere S, Terminale S and first year of engineering school.
2009-2013	**Trumpeter in a vocational training**, Le Havre.
	During official ceremonies such as July 14th, on November 11th...

Languages

English	Fluent	*Language trips in English-speaking countries., TOEIC : 895*
German	Good skills	*Language trips in German-speaking countries, B1 certification*

Skills

General skills

Engineering	Knowledges of the differents phases of conception and development of an interactive application, **User Centered Design** and **Project Management**

Specific skills

IoT	Design and conception of **Internet of Things** systems
e-health	Mastery of **e-health problematics**

Technical skills

Languages	Java, C/C++, Python, OCaml, Assembleur 68k, SQL, Bash
Development	GCC, Android Studio, Arduino, Raspberry Pi
Bonus	Virtual and Augmented reality basics (3Dvia Studio, Unity, ARToolKit), Computer Graphics basics (OpenCV, ThreeJS, OpenGL)

Interests

Music	**Basic school-leaving qualification in trumpet playing with honours**, July 2011, Academy Arthur Honegger.
	Trumpeter for 17 years, solo main cornet of Brass Band en Seine, ex-Chairman of the association and webmaster of http://brassbandenseine.fr
	Piano lessons for 3 years.
Sports	Practice of athletics in competition for 10 years and judo during 8 years. Discovery of other sports (basketball, tennis, swimming)
Clubs and Societies	**Ex-Chairman of AstronomIIE** (astronomy club, ENSIIE), **Ex-Office Member of LanPartIIE** (Person in charge of games servers, organization of events such as ENSIIE Game Show), **Ex-Office Member of Arise**, Administrateur du Réseau Informatique et des Services aux Étudiants (Person in charge of communication)