Émilien BAI
Computer Science and Engineering Student - INSA Lyon

About

Väderleden 3A - 169
976 33
Luleå
Sweden

emilien.bai@insa-lyon.fr
+33 (0)6 04 42 50 18

Driving License
International Mobility
23 years old

Languages

English Advanced
(TOEIC 970/990)
German Intermediate
(B1)
Swedish Notions
French Mother
Language

Programming

JavaScript (Angular,
NodeJS), Solidity,
Java, C#, Go,
MongoDB, SQL, Shell,
OpenGL (basics)
Arduino

Diverse

Linux, Windows,
Eclipse, Intellij Idea
NetBeans, Android
Studio,
Visual Studio,
LaTeX, Git, SVN

Education

Autumn 2016	**Exchange student**	Luleå University of Technology
	Computer science program and Swedish courses	
2014-2017	**Computer Science and Engineering student**	INSA Lyon
	Theatrical technician option	
2012-2014	**Undergraduate program in sciences engineering**	INSA Lyon
	Theatrical technician option	
2012	**French Baccalauréat S with honors**	Lycée Champagnat (69)
	Specialization in mathematics and physics	

Experience

02-07 2017   Luleå University of Technology, SV   *Research Internship*
- Design and implementation of a reward system for collaborative care of elderly.
- Development of a back-end based on smart-contracts using distributed ledger technologies and a mobile application as a blockchain "wallet".

05-08 2016   Foxstream, Vaulx-en-Velin, FR   *Software Engineer Intership*
- Update of Foxtool, software used for CCTV camera placement simulation.
- Creation of cameras point of view 3D simulation (C#, OpenTK, GLSL)
- Inclusion of common design patterns in the existing version.

May 2016   INSA Lyon, FR   *Group project "Potholess"*
- Creation of a working prototype of an embedded system in a 10 days sprint.
- Automatic detection of roads imperfections and data collection.

06-08 2015   XLR Project, Lyon, FR   *Software Engineer Internship*
- Entire development of a Java application from specifications to release.
- Conversion of analog signals into MIDI messages.
- Integration with a drum set to create an interactive video installation.

2015-2016   INSA Lyon, FR   *Maths tutoring*
- Tutoring lessons for a group of 4 undergraduate students of INSA Lyon.

Summers 13-14   Sicoly, St Laurent d'Agny, FR   *Seasonnal work*
- Order picking. & Team management as a substitute.

Summers 09-12   Gilles Gaudin, Arboriculturist, FR   *Seasonnal work*
- Seasonnal work as a fruit picker.

Volunteer experience

2015-2016   Commission de Gestion de la Rotonde (CGR)   *Vice president*
Management of the theater of the campus of "la Doua" : schedule, material park management, rentals.

2014-2016   Festival Karnaval Humanitaire, logistic team   *Technician*
Light equipment research and gathering, assembly of the stage and the technical facilities during the festival.

Interests

Theatrical technician : lightning for theater plays, dance shows, sound technician for concerts. Realization of short films. Amateur photographer.