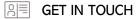


# SIMON CARIOU

# SOFTWARE ENGINEER

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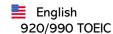


### PROFILE

I am a curious software engineer, passionate about new technologies more especially about house automation and robotics.



### LANGUAGES



Working knowledge in Spanish



### **EXPERIENCE**

Since Nov. 2017

### Softbank Robotics Europe SWIB - Escalation Team

- Software investigation.
- Level 3 support: Root cause analysis and workaround review
- · Impact analysis and R&D teams coordination
- · Concept review + guidelines redaction

March 2016

### General Electric Healthcare

End of studies internship in Cloud Software team:

Sept. 2016

- R&D, Mobile App development (iOS and Android) based on a web application that was being developed, with the help of the hybrid framework Cordova/Phonegap.
- Analysis of the needs to find the best solution
- Collaboration with the product owner and the scrum teams. Agile methodology: two weeks sprints with a demonstration at the end

Aug. 2014

Texas A&M University Internship

Nuclear / Health science department Dec. 2014

Interactions particle-matter with Monte-Carlo transport, use of C++ code in the Geant4 framework.

2013 - 2014

### President of the student Union in EPF

- In charge of the global organization; 30 members; annual budget 220K€.
- Integration trip and skiing week organizer for 400 students.
- Organization of six dancing parties for up to 600 persons.

### PROFESSIONNAL SKILLS

### Softwares:

Microsoft Office (Excel, Power Point, Word)

SolidWorks/Catia V5/3DS Max

**Eclipse** 

Atom

Matlab and Pspice

Choregraphe/Android Studio

Unity

Wolfram Mathematica.

### Operating systems:

Windows

Mac

Linux (Ubuntu, Kali, Raspbian)

### Tools

Arduino

Raspberry pi

health sensors (breathing,

electrocardiogram,

02 saturation, heart rate...)

Programming languages /

HTML, CSS, JS/JSON, AngularJS

NAO/Pepper.

Frameworks: Mastery:

## **EDUCATION**

2011 - 2016

### EPF – Graduate School of Engineering

Main courses: Web development, Algorithmics, project management, JAVA, C/C++, fluid and solid mechanics, telecommunication networks, wireless sensors, electricity, biochemistry, bioengineering, virtual chemistry, thermodynamics.

2010 - 2011

### University Institute of Technology – Physical measures

Main courses: Metrology, electronics/electricity, nuclear and organic chemistry

Working knowledge:

NodeJS

Python

Java

Git

Android/Swift

PHP/MySQL

C/C++

PhoneGap, ionic.