



# 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.



### 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

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##### 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

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##### Internship

Dec. 2014

- Nuclear / Health science department
- 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.



### 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, chemistry, biochemistry, bioengineering, virtual reality, thermodynamics.

2010 - 2011

#### University Institute of Technology – Physical measures

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



### LANGUAGES



English

920/990 TOEIC



Working knowledge in  
Spanish



### 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, O2 saturation, heart rate...)  
NAO/Pepper.

#### Programming languages / Frameworks:

##### Mastery:

Python  
HTML, CSS, JS/JSON, AngularJS  
Java  
PHP/MySQL  
Git

##### Working knowledge:

NodeJS  
Android/Swift  
C/C++  
R  
PhoneGap, ionic.