



## Pierre BARET

29 oct. 1992

French

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Fr driver license A & B



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<https://github.com/pbaret>



**French:** native

**English:** fluent

**German:** notions



## Skills

### Programming:



C++, OpenCV, Qt, C



Unity3D C# scripting



Matlab/Scilab, R, R-Shiny



Python, Tensorflow



Java, Android



HTML, CSS, JS, SQL



OpenGL, ADA, Qt/QML

### Others



Microsoft Office, LaTeX



Git, SVN, Agile Methods

### Hobbies



## Software R&D Engineer

Computer Vision - Image Processing - AI - 3D Graphics



## Education

### 2015 Master of Engineering from Grenoble INP -ENSIMAG

Ecole Nationale Supérieure d'Informatique et Mathématiques Appliquées de Grenoble (computer science and applied maths).

**Specialization:** Mathematical modeling, Vision, 3D Graphics, Image Processing and Simulation.

**2010 Baccalauréat Scientific with major in maths, first class honor (17.3/20).** Edouard Herriot High School, Voiron (38)



## Job Experiences

**Since 2018 Software R&D Engineer, Schneider Electric, Grenoble, France. IoT Sensors Excellence Center**

- Development of **embedded** algorithms and tools for IoT Sensors (Computer Vision, Image Processing, AI, Signal Processing...).
- From prototyping algorithms for embedded data processing to implementing those algorithms in an STM32 MCU firmware.

**2017-2018 Software Innovation Engineer, Schneider Electric, San Francisco, CA, USA.**

- 18 months french contract : Volontariat International en Entreprise (V.I.E).
- Research of use cases and development of proofs of concept around emerging technologies (Augmented and mixed reality, IoT..).

**2016 Research Engineer, INRIA, Grenoble, France.**

- 1 year fixed term contract in this National Research Center.
- Research, development and evaluation of computer vision algorithms for an Infrared sensor.
- Project in partnership with Schneider Electric and the CEA.

**2015 R&D Software Engineer, Thales Electron Devices, Moirans, France.**

- 6 months internship then 3 months fixed term contract.
- 3D X-Rays Tomography project for 3D bone reconstruction.
- Development of the whole 3D geometric calibration chain.

**2014 R&D Engineer Assistant, Aesculap (B|Braun), Echirolles, France.**

- 11 weeks summer internship.
- Development of Serious Games for the Orthopilot platform (computer assisted surgery 3D gestures tracking platform).



## Projects

Find more on my different projects here:

<https://pbaret.github.io/#project-gallery>

