

# Jules Scholler

Junior Engineer

## Contact

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France

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## Languages

French: mother tongue

English: good skills

(TOEIC 965/990)

Spanish: intermediate skills

## Programming

\*\*\* Matlab

\*\* C, Python & ImageJ

\* Mathematica & L<sup>A</sup>T<sub>E</sub>X

## About

Car & Motorbike driving  
licenses

First aid certificate

## Education

2016–2017 **MSc** Mathématiques, Vision, Apprentissage École Normale Supérieure, Paris-Saclay  
Specialization in image processing, computer vision and deep learning.

2013–2016 **MSc**-level Diplôme d'ingénieur ESPCI ESPCI Paris, PSL Research University  
*L'École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris* is  
a major institute of higher education in science and engineering.  
Specialization in Physics - Awarded with highest honors.

2010–2013 **BSc** in Physics and Chemistry UPEM, Marne la Vallée  
Specialization in English - Awarded with high honors.

## Experience

### Full Time

2016 **Institut Langevin - Ref: ignacio.izeddin@espci.fr** Paris, France

*Research Intern in Photonics - 4 months*

Project: using the STORM technique to map the local density of states (LDOS)  
on semi-random metallic substrate with a super-resolution. Main topics:

- Single photon counting & Nanoprobe tracking
- Image processing & Multi-parameters non-linear fittings
- Nano-precise feedback loops
- Software development (Matlab GUI) for complete automation and detectors controls

2015 **Olympus NDT - Ref: jason.habermehl@olympus-ossa.com** Québec, Canada

*R&D Intern in non-destructive testing - 6 months*

Project: pipelines tube testing using ultrasounds and development of a new  
innovative inspection method. Main topics:

- Phased array ultrasound testing (linear and matrix arrays)
- Signal processing, Interface computer machinery, Modeling & Statistical studies
- Full Matrix Capture (FMC) & Total Focusing Method (TFM)
- Inverse problem through interfaces & Adaptive focusing

### Part Time

2010–now **Anacours** Region of Paris, France

*Teacher*

Private tuition in mathematics, physics and chemistry (~10h/week).

2014–2015 **Student Government** Paris, France

*Treasurer*

In charge of the budget and purchasing (>100k€/year). Managing relationships  
with banks. Team work.

## Awards

2016 **Postgraduate Scholarship** SAFRAN Group

Awarded by SAFRAN Group for academical excellence and professional ambi-  
tions.

## Interests

**Professional:** Imaging, Wave propagation, Signal processing, AI, Applied research

**Personal:** New technology, Sports, Travels, Crime novels, Motorbike mechanics.