

# François Darmon

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📄 francois-darmon • 🌐 fdarmon

## Education

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### Ecole des Ponts Paristech

*PhD, Computer Vision*

Thesis: Deep Learning based 3D reconstruction: supervision and representation

Advisors: Mathieu Aubry and Pascal Monasse

Contributions in Image Matching, Multi-View Stereo and Neural Implicit Surfaces.

**Paris**

2018–present

### Ecole Normale Supérieure Paris-Saclay, Master MVA

*Master of Science, Applied Mathematics*

Computer Vision and Machine Learning

**Paris**

2017–2018

### Télécom ParisTech

*Diplôme d'ingénieur, Computer Science*

Mathematics, Computer Science and Signal Processing

**Paris**

2014–2018

### Lycée Louis-le-Grand

*Classe préparatoire, MPSI-MP\**

Mathematics, Physics, Chemistry and Computer Science

**Paris**

2012–2014

## Work experience

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### Adobe Research

*Research Internship, Neural rendering and 3D reconstruction*

**Paris (remote)**

2022

### Thales LAS France

*CIFRE PhD funding, 3 years PhD funding*

**Paris**

2018–2021

### Thales Research and Technology

*6-months internship, Deep Learning for image detection*

**Singapore**

2017

### Société Générale Risk Management

*6-months internship, Machine Learning models for corporate ratings*

**Paris**

2016

## Skills

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**Programming languages**: Python (Pytorch), Notions of Java and C++

**Other**: Linux, Git, Latex, Notions of SQL

## Commitments

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**Lecturer**: 3D computer vision MVA Master, ENS Paris-Saclay (1 lecture)

**Teaching Assistant**: Introduction to C++ ENPC Undergrad level

**Teaching Assistant**: Computer Vision for Mechanics of materials ENPC Undergrad level

**Teaching Assistant**: Image processing and Computer Vision ENPC Graduate level

**Reviewer**: ACCV 2020, MVA 2021, SIGGRAPH Asia 2021, SIGGRAPH 2022

## Publications

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F. Darmon, B. Bascle, J.-C. Devaux, P. Monasse, and M. Aubry, "Improving neural implicit surfaces geometry with patch warping," in *CVPR*, 2022.

F. Darmon, B. Bascle, J.-C. Devaux, P. Monasse, and M. Aubry, "Deep multi-view stereo gone wild," in *3DV*, 2021.

F. Darmon and P. Monasse, "The polar epipolar rectification," *Image Processing On Line*, 2021.

F. Darmon, M. Aubry, and P. Monasse, "Learning to guide local feature matches," in *3DV*, 2020.

X. Shen, F. Darmon, A. A. Efros, and M. Aubry, "Ransac-flow: generic two-stage image alignment," in *ECCV*, 2020.