

# Lina Mezghani

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[scholar](#)

## EDUCATION

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**PhD Student at Inria & Facebook AI Research (Paris, France)** May 2020-Present

*Self-Supervised Learning in Dynamic Environments*

· Supervised by Karteek Alahari (Inria Grenoble Rhône-Alpes) & Piotr Bojanowski (Facebook AI Research)

**Master MVA at ENS Paris-Saclay (Paris, France)** Sep 2018-Jul 2019

*MSc in Computer Vision and Machine Learning*

· RELEVANT COURSES: Object Recognition and Computer Vision (J. Ponce & C. Schmid), 3D Computer Vision (P. Monasse), Deep Learning (V. Lepetit), Convex Optimization (A. D'Aspremont), Deep Learning in Practice (G. Charpiat), Machine Learning with Kernel Methods (J.-P. Vert & J. Mairal)

**Ecole polytechnique (Saclay, France)** Sep 2015-Jul 2019

*Top French Engineering School*

· RELEVANT COURSES: Computer Vision (R. Keriven), Advanced Topics in Artificial Intelligence (J. Read), Natural Language Processing (M. Vazirgannis), Machine Learning (S. Gaïffas), Operations Research (S. Gaubert), Statistical Inference (E. Moulines), Modelling Random Events (T. Bodineau)

**Preparatory Class for Engineering Schools (Orsay, France)** Sep 2013-Aug 2015

*Preparatory course for competitive entrance exam into top French engineering schools*

## EXPERIENCE

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**Research Internship at Inria Grenoble Rhône-Alpes (France)** Nov 2019-May 2020

*Research in Computer Vision supervised by Karteek Alahari*

**Research Internship at Facebook AI Research (Paris, France)** Apr-Jul 2019

*Research in Computer Vision supervised by Armand Joulin & Piotr Bojanowski*

· Worked on developing algorithms for navigation & exploration in virtual 3D environments  
· Significant work on self-supervised learning related topics especially curiosity-driven methods  
· Environments: Minecraft, ViZDoom ; Tools: Python, PyTorch

**Research Internship at Cornell Tech (New York, USA)** Apr-Jul 2018

*Research in Computer Vision in the Social Technologies Lab*

· Developed an object detector for online marketplace images (Tensorflow, Keras)  
· Implemented a large-scale reverse image search to background check news images (OpenCV, Faiss)

**Internship at Pilot Vision (Stockholm, Sweden)** Jun-Aug 2017

*Start-up in the aviation industry*

· 3D visualisation of flight trajectory and procedural data (C++, Cinema4D)

**Military Traineeship in the Gendarmerie (France)** Sep 2015-Apr 2016

· Seven month in the army as an Officer, four of which in a Police station.  
· Learned discipline, self-control, and leadership skills.

## INTERESTS AND ACTIVITIES

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Sport Competition (Volley-Ball & Soccer), Coding, Music (Piano & Electronic Music), Modern Art