

## Guéno   FICHE

10, rue Alfred de Musset

91120 Palaiseau

[guenole.fiche@gmail.com](mailto:guenole.fiche@gmail.com)

(+33) 6 51 36 24 77

[www.linkedin.com/in/Guenole-Fiche](http://www.linkedin.com/in/Guenole-Fiche)



24 years old

PhD Student in Deep Learning - CentraleSupelec

Anticipated graduation date: 09/24

## Education

- **Since 2021** **PhD student in Deep Learning – CentraleSupelec**  
**Subject:** Weakly supervised learning for 3D human pose estimation.  
**Keywords:** Python, Pytorch, (D-)VAE, SMPL, human pose and motion, 3D vision, ...  
**Academic service:** Reviewer for ACM Multimedia 2022
- **2016-2021** **Mathematic Engineering department – INSA Rouen Normandie**  
**Keywords:** AI, Machine Learning, optimization, statistics...
- **June 2016** **Science Baccalaureate – European section – Graduate with High Honors**

## Work experience

- **2022 - 2023** **Tutorial Assistant – INSA Rennes**  
Geometry tutorials for second year students of engineering (Curves and surfaces, integrals)
- **2021** **Deep Learning 6 months internship – Polynom (France)**  
Multi-object detection and tracking  
**Keywords:** Python, Pytorch, YOLOv5, optical flow, Kalman Filter, GPS, orthophotos, ...
- **Summer 2020** **NLP 3 months internship – Case Law Analytics (France)**  
Natural Language Processing methods applied to automated analysis of legal texts  
**Keywords:** Python, Tensorflow, BERT, Regex, k-means, ACP, similarity, NLI
- **Summer 2019** **Deep Learning 3 months research internship – University of British Columbia (Canada)**  
Exploring the Application of Machine Learning for Physical Problem  
**Keywords:** Python, Tensorflow, Deep Learning, LSTM, ML for physics, composite materials
- **2019-2021** **Junior Enterprise of the INSA Rouen**  
Business development manager: team lead, prospect management, business strategy...  
Project Manager: Project management, customer relationship, IT projects (websites, apps)

## Skills

### Languages:

English (TOEIC test: 965) and Spanish (Advanced)

### Programming:

Python (Pytorch and Tensorflow) - Notions of: R, Matlab, Java, C, C++, SQL

### Areas of expertise:

Deep Learning (VAE, dynamic models, probabilistic AI), Virtual humans, 3D vision

### Courses:

Machine Learning (Coursera) – Andrew Ng, Stanford

English for research, Research communication ethics, Bayesian Data fusion

## Hobbies

**Sports :** Tennis, Crossfit, Volleyball, Running...

**Music :** Musical education and guitar practice

Music studies section – INSA de Rouen

## Other experiences

**July 2018** **European Voluntary Service - Spain**

Front office in a tourism board

**2018-2019** **Volunteer Tutoring in mathematics**

Help in mathematics for INSA students