

# Kevin Feghoul

## Machine Learning Scientist

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### EDUCATION

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#### University of Lille

*Ph.D. in Machine Learning and Computer Vision*

Lille, France

*Expected Dec 2024*

- Thesis : Machine Learning for behavior, stress and emotion analysis
- Department of Medicine and Computer Science

#### University of Clermont Auvergne

*Engineer's degree (Eq MS.c.) in Mathematical Engineering and Modelling*

Clermont-Ferrand, France

*July 2020*

- Areas : Scientific Computing, Mathematical Modelling, Operations Research and Software Engineering

### EXPERIENCE

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#### Machine Learning Scientist

*LilNCog Inserm*

Sept 2021 – Present

*Lille, France*

- Research on Multimodal Machine Learning for Affective Computing.
- Research on Surgical Data Science.

#### Teaching Assistant

*Univ of Lille and Paris XII*

Sept 2020 –

*Paris, France*

- Machine Learning (18h)
- Optimization (8h)
- Data Analysis (36h)
- Python Programming I and II (60h)

#### Data Scientist

*LIP6/Ikos*

Sept 2020 – April 2021

*Paris, France*

- Development of a pipeline for the detection of anomaly on the Regio 2N train doors.

#### Machine Learning Research Intern

*Dassault Systèmes*

Feb 2020 – July 2021

*Paris, France*

- Development of a pipeline to enable images shown to subjects to be reconstructed with the greatest possible fidelity from their brain activities using GANs.

#### Machine Learning Research Intern

*Keio University*

May 2019 – Aug 2019

*Tokyo, Japan*

- Multi-class sentiment analysis on tweets.
- Human activity recognition based on thermal images captured by a Raspberry Pi.

### PROJECTS

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#### Keyrus Data Science project

Sept 2019 - Jan 2020

- Training of Machine Learning models (XGboost/LSTM) for the prediction of electricity consumption.

#### Crédit Agricole Data Science project

Sept 2018 - April 2019

- Training of Machine Learning models (DNN) for life insurance prediction.

#### Kaggle - Aerial Cactus Identification competition

2019

- Rank **84/1230**.

#### Kaggle - Don't Overfit II competition

2019

- Rank **18/2330**.

### TEACHING

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#### 2020/2021

*University Paris-Est Créteil*

- Introduction to Machine Learning - Licence 3 (15h)
- Python Programming I and II - Licence 1 (60h)

## TECHNICAL SKILLS

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**Programming Languages:** Python, Matlab, C/C++, Fortran90, LaTeX

**Frameworks:** PyTorch, Tensorflow, Sklearn, Pandas and OpenCV