

# Alexis PISTER

PhD student in dynamical social networks analysis (Inria & Telecom Paris)

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Born the 10th of November, 1996



## EDUCATION

- 2019 - 2022 PhD in analysis and visualization of **historical dynamical social networks**, Inria Saclay, Université Paris-Saclay & Telecom Paris
- 2018 - 2019 Master of **Artificial Intelligence**, Lyon 1 University
- 2016 - 2019 Engineer degree in **Bioinformatics and modeling**, INSA Lyon
- 2014 - 2016 Bachelor in biology (2 years), Sorbonne University, Paris

## WORK EXPERIENCES

- August 2019 - February 2019 R&D internship in Machine Learning applied to Natural Language Processing (NLP), MONDECA, Paris
  - > Comparative study and optimization of machine and deep learning algorithms for **named entity recognition** tasks on large corpora
  - > **Alert detection** on text corpus with word embedding and machine learning algorithms
  - > Use of **graph embedding** methods for triplets classification in a knowledge graph

Java Python Scikit-learn Keras
- August 2018 - May 2018 Research internship in Image processing and radiomics, IMIV/INSERM/CEA, Orsay
  - > Realization of an **MRI standardization pipeline** which is now **used for research purposes**
  - > Computing and analysis of **radiomic features** of MRI images

Python R Bash

## COMPUTER SKILLS

- Programming Python, R, Java, C++, Latex, Bash, HTML, CSS, Javascript
- Frameworks Numpy, Pandas, Scikit-learn, Keras, Pytorch, Spacy, Flask, D3JS
- Databases SQL, Triplestores
- Operating systems Linux, Windows
- Softwares Git, Maven, Subversion, Knime, LIFEx

## SIDE PROJECTS

- TROLL-D** 2019
  - [github.com/AlexisPister/Troll-d](https://github.com/AlexisPister/Troll-d)
  - Machine learning study for the detection of troll messages. The best model is hosted in the cloud
  - Scikit-learn Flask HTML
- VAD-DEEP** 2018
  - [github.com/AlexisPister/VAD-Deep](https://github.com/AlexisPister/VAD-Deep)
  - Voice Activity Detector system which detects frames of speech in audio samples with a deep neural network
  - Python Pytorch

## LANGAGES

- French ● ● ● ● ●
- English ● ● ● ● ○
- Spanish ● ● ● ○ ○

## + HOBBIES

- > **Music** : Bass guitar, piano and electronic music. Organization volunteer for the student jazz festival [Un Doua de Jazz](#) (2018).
- > **Sports** : Running, tennis
- > **Reading** : Novels, newspapers, comic strips
- > **Other** : Rock Roll dancing