

# Sergio PEIGNIER

## Machine Learning | Data Science | Artificial Intelligence

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27 years old, single, French nationality, international mobility (Europe).

### Work Experience

2018	<b>R&amp;D project</b> in <b>Machine Learning</b> , ENS, Cachan	
present	<b>Transfer-Learning</b> and <b>Dynamic Network Modeling</b> (Industrial partner : Atos).	Python
2017	<b>Data Scientist : Deep Learning</b> algorithms for <b>time-series</b> , Atos Worldline, Lille	
3 months	<b>Anomaly Detection</b> for Toro Rosso F1, presentations to <b>IT &amp; Commercial manager boards</b>	Python
2017	<b>R&amp;D project</b> in <b>Data Mining - Machine Learning</b> , INRIA - INSA, Lyon	
3 years	<b>Conception</b> and <b>implementation</b> of <b>Machine Learning</b> algorithms, <b>supervision</b> of interns, <b>team work</b> with software engineers, <b>technological watch</b> , presentations at <b>international conferences</b> and writing of scientific papers and <b>European project deliverables</b>	Python C Java R
2017	<b>R&amp;D project</b> in <b>Natural Language Processing (NLP)</b> , UMSA, La Paz Bolivia	
2 years	<b>International collaboration</b> with the faculty of linguistics of the state university of La Paz (UMSA), <b>Development</b> of <b>NLP software</b> applied to the <b>analysis of political speeches</b>	Python nltk Gensim Scikit-learn
2017	<b>Assistant teaching</b> , Department of Bio-Informatics and Modeling <b>INSA</b> , Lyon	
3 years	<b>Algorithms and Programming</b> , <b>Data Bases</b> and <b>Modeling</b> of <b>complex biological systems</b>	Python SQL Matlab
2014	<b>R&amp;D project</b> , Artificial Evolution and Computational Biology team, INRIA, Lyon	
7 months	Implementation of a <b>computational evolutionary model</b> applied to <b>clustering</b>	Python C R
2013	<b>R&amp;D project</b> , Laboratoire de Chimie théorique, UMSA, La Paz-Bolivie	
1 month	<b>Artificial Neural Networks</b> and <b>Genetic Algorithms</b> to analyze chemical compounds	Python
2013	<b>R&amp;D project</b> , Genetic of Intra-Species Variations team, LBMC, Lyon	
4 months	<b>Statistical methods</b> to detect genetic regions of interest for Lesaffre enterprise	Python R C
2012	<b>R&amp;D project</b> , Theoretical Chemistry Laboratory, UMSA, La Paz-Bolivie	
2 months	<b>Artificial Neural Networks</b> to predict the structure of chemical compounds	Python

### Side projects

2016	<i>NayesDog</i> , <a href="https://github.com/MLdog/nayesdog">https://github.com/MLdog/nayesdog</a> <b>Machine Learning</b> empowered <b>RSS reader</b>	HTML CSS Python
2016	<i>TimeSeriesAnalysis</i> , <a href="https://timeseriesanalysis.github.io">https://timeseriesanalysis.github.io</a> <b>Artificial Intelligence</b> and <b>Deep Learning</b> to deal with <b>time series</b> and EEG signals	Python Tensorflow Keras

### Education

2017	Ph.D in Computer Science <b>Data Mining - Machine Learning</b> , INRIA, INSA Lyon
2014	Master in Computer Science, <b>Complex Systems</b> specialty, ENS Lyon
2014	Engineer degree in Bio-Informatics and Modeling, <b>jury congratulations</b> , INSA Lyon

### Awards

2015	<b>Best paper award</b> at the <b>International Genetic and Evolutionary Computation Conference</b>
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#### Computer Skills

**Programing** Python, Java, C, C++, R, Matlab  
**Data Bases** MySQL, SQLite  
**OS** MacOS, Windows, Linux  
**Web** HTML, CSS  
**Other** git,  $\text{\LaTeX}$

#### Languages

> **French (native speaker)**  
> **Spanish (native speaker)**  
> **English (bilingual)**  
> **Portuguese (good level)**  
> **Italian (good level)**

#### Interests

**Science and Technology** raspberry pi projects, evolution in biology, ...  
**Music** Guitar, transverse flute  
**Sports** Running, climbing