

# Thomas Lentali

DATA SCIENTIST

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## Summary

Data Scientist with 5+ years experience specializing in machine learning applied to a broad-spectrum of field like search engine relevancy, product recommendation, bot detection, NLP, computer vision, financial fraud, gambling addiction detection, lifetime value prediction. My aim is to turn abstract knowledge into real world application and solving tools. I am an open minded nerd who act to stay sharp in his domain trough helping other (top 1% on Stackoverflow in 2021), competitions (Kaggle competition expert) and open source contributions. And even if I am clearly driven by the data science field, I also defend the #1 Google ML Rule "Don't be afraid to launch a product without machine learning".

## Work Experience

### Betclic Group

DATA SCIENTIST

Bordeaux, France

Jun. 2019 - current

- Anti Money Laundering detection.
- Responsible gambling (addiction behavior) detection.
- Personalized offers for emailing campaign.
- Lifetime value prediction.

Using : Pandas, Scikit-learn, Pytorch, Tensorflow2/Keras, Shap, Airflow, AWS, Unittest/Pytest, Great Expectation...

### Cdiscount

DATA SIENTIST ADVISOR

Bordeaux, France

Nov. 2018 - Mai. 2019

- Massive customer clustering.
- Bot detection (pattern analysis).
- Sentiment analysis (Natural Langage Processing).
- Object detection in picture (Mask-RCNN, COCO dataset).

### Cdiscount

DATA SIENTIST

Bordeaux, France

Oct. 2016 - Oct. 2018

- Search engine relevance.
- Recommendation engine.
- Algorithms evaluation (A/B testing).
- Focus on website's KPI improvment.
- Python development (Scikit-learn, Numpy, Pandas, Scipy, Luigi etc).
- Hadoop Hive & SQL Databases.

### Cdiscount

DATA SIENTIST INTERN

Bordeaux, France

Mar. 2016 - Sep. 2016

- Marketing targeting : behavioral analysis and improvment of the search engine relevance through AB test, proof of concept personnalisation client (classification and clustering).
- Geographical data : Purchase forecasting by geographic zone.
- Statistical analysis : data enrichment with INSEE database, implementation and developement of geocoding tool.
- Intern innovation contest : Setting of a new operationnal service for the client, forcasting system of product storage to allow express delivery.

### Idaia Group

DATA SIENTIST INTERN

Bordeaux, France

Jun. 2015 - Aug. 2015

- Sourcing, implementation and development of machine learning tools (mainly multiclass classification) in Python and Scala into Apache Spark large-scale data framework.

## Education

### Bordeaux University

MSC. APPLIED MATHEMATICS

Bordeaux, France

Sep. 2014 - Jul. 2016

- Optimization, operation research, machine learning, statistics, C++, Python, SQL.

### Toulon University

BSC. APPLIED MATHEMATICS

Toulon, France

Sep. 2011 - Jul. 2012

- Statistics, probability, econometry, R, Matlab/Octave.

### Toulon University

BSC. PURE MATHEMATICS

Toulon, France

Sep. 2008 - Jul. 2011

- Algebra, analysis, topology, mesure theory, graph theory, C, Matlab/Octave, Wolfram Mathematica.