

Thomas Lentali

DATA SCIENTIST

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Summary

Data Scientist with 7+ years experience specializing in machine learning across diverse fields, including personalization/recommender system, search engine relevance, bot detection, NLP, computer vision, financial fraud, gambling addiction, lifetime value prediction. My primary goal is to transform abstract knowledge into practical solutions. I'm an open-minded enthusiast who maintains expertise through helping my peers (mainly by answering questions on StackOverflow), competitions (Kaggle competition expert) and open source contributions. While passionate about data science, I also advocate Google's Machine Learning Rule #1 : "Don't be afraid to launch a product without machine learning".

Work Experience

Betclic Group

Bordeaux, France

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Jun. 2019 - current

- Sport betting and casino personalization/recommender system (hybrid recommendations approaches).
- Anti Money Laundering detection (ACAMS Certified Anti-money Laundering Specialist).
- Safer gaming and addiction behavior detection (classification and time series).
- Lifetime value prediction (survival analysis).

Using : Python (Pandas, Scikit-learn, Pytorch, Tensorflow/Keras, Shap, Pytest), Apache Airflow, AWS Sagemaker, Snowflake.

Cdiscount

Bordeaux, France

DATA SCIENTIST ADVISOR

Nov. 2018 - Mai. 2019

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

Using : Python (Scikit-learn, Numpy, Pandas, Scipy, Shap, Luigi), SQL, Apache Hadoop Hive.

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Oct. 2016 - Oct. 2018

- Search engine relevance.
- Products recommendation engine.
- Algorithms evaluation (A/B testing).
- Focus on website's KPI improvment.

DATA SCIENTIST INTERN

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, forecasting system of product storage to allow express delivery.

Idaia Group

Bordeaux, France

DATA SCIENTIST INTERN

Jun. 2015 - Aug. 2015

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

Using : Python (Scikit-learn, Numpy, Scipy, NLTK), Scala, Spark (MLlib).

Education

Msc. Applied Mathematics

Bordeaux, France

BORDEAUX UNIVERSITY

Sep. 2014 - Jul. 2016

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

Bsc. Applied Mathematics

Toulon, France

TOULON UNIVERSITY

Sep. 2011 - Jul. 2012

- **Subjects :** Statistics, probability, econometry, R, Matlab/Octave, SQL.

Bsc. Pure Mathematics

Toulon, France

TOULON UNIVERSITY

Sep. 2008 - Jul. 2011

- **Subjects :** Algebra, analysis, topology, measure theory, graph theory, C, Matlab/Octave, Wolfram Mathematica.