

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

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Bordeaux, France

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.

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DATA SCIENTIST ADVISOR

Bordeaux, France

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 improvement 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 SCIENTIST 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.

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

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