



LEJEUNE Arnaud

Data Scientist

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Summary

French engineer, passionate about the issues surrounding data management and machine learning as well as being a gamer for as long as I can remember. I've decided to merge my gaming passion and my professional skills to work in the gaming industry.

Currently living in Montreal (Canada), holding a WHV until Aug 21' and pending residency.

Skills

Tools :

- / Pandas
- / TensorFlow
- / Scikit-Learn
- / Keras
- / Spark
- / AWS / GCP
- / MongoDB
- / Ubuntu / UNIX

Programming Languages :

- / Python
- / Java
- / Scala
- / WEB

Spoken Languages :

- / French : mother tongue
- / English : fluent (TOEIC 965)

Certifications :

- / Data Engineering on GCP (currently following the training)

Interest

- / 2016 – 2017 President of IMT Atlantique's student's union.
- / Handball goalkeeper in university league. Tennis player for more than 10 years

Experience

Data Scientist – Eidos-Montreal

Aug 2019 –

Within the Analytics and Data Science team, I took part in various analysis and prediction projects ensuring the follow-up of past projects (Deus Ex: Mankind Divided & Shadow of the Tomb Raider) and supporting the production effort of projects in conception / production (unannounced titles).

- / Development of an NLP tool to categorize and synthesize user and professional reviews. Transfer learning and fine-tuning of a BERT model on 500k scrapped reviews (metacritic, IGN, steam ...). Supervision of the internal labeling process of a reviews dataset and training of classification models (categorization and sentiment).
- / Exploration and cleaning of a live database of digital sales from the whole Square Enix group. Development of sales prediction models on our live titles. Use of state-of-the-art time-series methods and RNN / LSTM modeling.
- / Performed several analysis on our player metrics for ad-hoc analysis (player clustering, churn analysis ...) using K-means, Auto-Encoders, T-SNE ...
- / Development of several scripts allowing the automation of cleaning and preprocessing tasks on internal data. Use of Airflow to set up jobs and interaction with Google Big Query.

Data Consultant – Wavestone

Sep 2017 – Aug 2018

- / Study of issues related to Big Data, Graphs databases and NoSQL databases. In addition to mapping the different use cases, I made a proof of concept on Neo4J (in python) and a benchmark of the different Graph solutions.
- / Took part in various consulting missions for major French accounts (SNCF, ENEDIS, Ministry of the Army) on subjects related to Big Data, Machine Learning and the architecture of their IS.

Education

Mastère Spécialisé Big Data – Télécom Paristech

2018 – 2019

- / Machine Learning (Sup. & unsup.)
- / Advanced statistics
- / Data Engineering (Spark & Hadoop)
- / NoSQL systems (MongoDB, Neo4J, ...)
- / Deep Learning (CNN, RNN, ...)
- / Reinforcement Learning (QL, SARSA, ...)

Ecole d'ingénieur généraliste – IMT Atlantique

2015 - 2018

Major : Organization and Management of Information Technologies

- / Big Data
- / Business Intelligence
- / Software architecture
- / Systems architecture
- / Change management
- / Project management

- Core:**
- / Statistics
 - / Programming (Imperative, Object ...)
 - / Social Sciences
 - / Database management

Classes préparatoires MPSI/MP – Lycée Montaigne

2013 - 2015