

PROFESSIONAL EXPERIENCE

November 2021 – present

Machine Learning Engineer at Amazon

- Designed, experimented and deployed ranking algorithms for product search generating \$100M+ incremental annualised revenue and slashing maintenance complexity by 7 in one of the segments
- Improved tooling across teams enabling arbitrarily large hyperparametre search jobs and reducing time to response for security tickets among other contributions

Tools: Python, AWS, Javascript, Scala, PyTorch, LightGBM

October 2018 – November 2021

Senior Statistical Learning Engineer at L'Oréal

- Designed and implemented an adaptive task scheduler for a testing laboratory (Operations Research, Genetic Programming)
- Lead implementation of a contract breach detection system (Anomaly detection, MS Azure) saving more than \$50M revenue annually

Tools: F#, Python, Azure DevOps, Azure, GCP, Hy, scikit-learn, ML.NET, Pytorch, GitLab CI

April 2018 – October 2018

Data Scientist at InfluanS

- Revamped the core product (recommendation engine) enabling real-time sales demos
- Ensured adoption of sane development practices by the data team

Tools: Scala, Python, Spark, Scalaz, mxnet, Jenkins

October 2015 – March 2018

Data Scientist at Safran Analytics (department of Safran SA)

- Designed and implemented ML-powered tools for aerospace manufacturing, maintenance and services
- Participated in the creation and delivery of a hands-on data wrangling course for engineers

Tools: Python, Scala, Keras + Theano, Spark, PyTorch, Elasticsearch, D3.js

EDUCATION

2012 – 2015

ENSAI, MSc in Statistics

Domains: Statistics, Mathematics, Economics, Software Engineering

January 2014 – May 2014

University of Glasgow, Erasmus semester.

Domains: Statistics, Economics, Computer Science

2013 – 2014

BSc in Applied Mathematics, University of Rennes - 1.

Domains: Applied Mathematics

COMPETENCIES

Linguistic Cloud

Russian (native), French (bilingual), English (fluent)
AWS, Azure, GCP

DB

SQL, Spark, Elasticsearch

Languages

Python, Hy, F#; exposed to JS, VimScript, Scala, OCaml, Factor, R, C, Clojure, APL and J

ML libs

Sklearn, PyTorch, ML.NET, Tensorflow, Spark ML

DevOps

Git, Docker, GitLab, Azure DevOps (MS certification AZ-400) exposed to k8s and Ansible

VOLUNTEERING AND INTERESTS

Pro bono consulting

Multiple statistical studies for non-profit organisations, including deeplearning.ai and Article 1

Music

Clarinet at Eecher Musek