

## PROFESSIONAL EXPERIENCE

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November 2021 – present

### **Machine Learning Engineer II at Amazon**

- Designed, experimented and deployed ranking algorithms for product search generating \$100M+ additional annualised revenue and slashing maintenance complexity by 7 in one of the segments
- Improved tooling across teams enabling arbitrarily large hyperparameter 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

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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

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### **Linguistic**

Russian (native), French (bilingual), English (fluent)

### **Cloud**

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

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### **Pro bono consulting**

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

### **Music**

Clarinet at Echer Musek