

# Félix Desmaretz

DATA ENGINEER

Malakoff, Hauts-de-Seine, France

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## Experience

### Diggers

Data Engineer Consultant - Natixis

Paris, France

Feb 2022 - present

- Management, design and implementation of multi-stream data producer computing and sending up to 1 billion messages per day.
- Implementation of financial data computation in a distributed environment.
- Scala, SQL, Spark, Kafka, Hive, Typelevel

### Crédit Agricole Leasing & Factoring

Data Scientist Intern

Montrouge, France

Apr 2021 - Oct 2021

- Feature Engineering via network modeling & analysis giving a 10% score improvement for prediction models
- Development of a multi-environment pipeline execution program allowing the usage of tools missing in one or another
- Python, Scala, SQL, Spark, Pandas, Hive, XGBoost, iGraph, GraphX

### University Association IP7

Volunteer

Paris, France

Sep 2018 - Jun 2021

- Help in setting up a programming contest & writing algorithmic problems
- Facilitator for multiple Linux installation parties

## Education

### Université de Paris

Master of Mathematics - Data Science

Paris, France

Sep 2019 - Sep 2021

- Probabilities, Statistics, Optimization, NLP, Machine Learning, Deep Learning, Big Data Algorithms
- Highest Honours

### Université de Paris

Master's degree in computer science - Data Science

Paris, France

Sep 2019 - Sep 2021

- Game Theory, Big Data Technologies, Algorithms, Database, Distributed Algorithms, Data Scraping
- Highest Honours

### Université Paris 7 Diderot

Bachelor of Mathematics

Paris, France

Sep 2016 - Jun 2019

- Honours

### Université Paris 7 Diderot

Bachelor's degree in Computer Science

Paris, France

Sep 2016 - Jun 2019

- 1st place at the JFP2019 contest
- Honours

## Languages

**French:** Native

**English:** Fluent

## Skills & Interests

**Computer Languages:** Bash, C, C++, Clojure, Java, LaTeX, Python, R, SQL, Scala, VBA

**Libraries:** Jupyter, Numpy, Pandas, PyTorch, Spacy, Spark/PySpark, Tidyverse, Typelevel, XGBoost, scikit-learn

**Frameworks:** Flask, Hugo, QT

**Data Science and Engineering:** Data Analysis, Data Mining, Database Systems, Deep-Learning, Distributed Computing, Machine-Learning, NLP, Network Analysis, Optimization, Time Series Analysis

**Operating Systems:** UNIX systems (*BSD, Linux*), Windows

**Database systems:** Apache Hive, Cassandra, MariaDB, Neo4j, PostgreSQL, SAP ASE, SAP IQ, SQLite

**Office Automation:** Libre Office, Microsoft Office (*Excel, Outlook, PowerPoint, Word*)

**Project Management:** Agile, Git, Kanban, Scrum

**Other IT Tools:** Apache Hadoop (*HDFS, MapR, YARN*), Docker, Proxmox VE

**Interests:** Board Games, Climbing, Creative Coding, Hiking, Japanimation, Running