

#### DEEP LEARNING ENGINEER IN COMPUTER VISIO

Paris, France

### **Education**

### **PhD student in Deep Learning for Computer Vision**

Paris, France

SORBONNE UNIVERSITY (LIP6) Advisor: Pr. Matthieu Cord

2019 - Now

· Working on incremental learning.

## M.S. in Computer Science (Diplôme d'ingénieur) Major GPA: 3.7

Paris, France

EPITA Advisor: Pr. Reda Dehak

2013 - 2018

- · Machine Learning, Deep Learning, NLP, Python, C++, Golang, Scala/Kafka/Spark, Image processing, Text Mining
- Stats & Proba, Linear Algebra, Convex Optimization, Logic

## **Experience**

Heuritech Paris, France

RESEARCH SCIENTIST Advisor: Charles Ollion

July 2019 - Now

• Working part-time to improve Heuritech's Deep Learning pipeline.

**Heuritech** Paris, France

RESEARCH ENGINEER Advisor: Alexandre Ramé

Sept 2018 - June 2019

• Researching & implementing Deep Learning papers & improving the Computer Vision pipeline of Heuritech.

Dataiku Paris, France

RESEARCH ENGINEER INTERN Advisor: Léo Dreyfus-Schmidt

Feb - Aug 2018

- Implemented deep learning models for computer vision (transfer learning, detection, training schedules, etc.).
- · Won the NATO Innovation Challenge as the lead scientist of my team with a RetinaNet on satellite imagery.
- · Organized & presented internal conferences on deep learning.

**ZebrIA** Paris, France

GRADUATE STUDENT RESEARCHER Advisor: Guillaume Palacios

Aug 2017 - Jan 2018

• Researched & Implemented Deep Learning NLP papers for a medical chatbot.

**EPITA** Paris, France

TEACHER ASSISTANT (YAKA / ACU)

Jan 2017 - Dec 2018

- Taught C, C++, Shell, SQL, Java, and algorithmic concepts to 2 classes of 350 Third Year students.
- Taught Deep Learning for Computer Vision for Fifth Year students.

MyDrive Solutions

London, United Kingdom

DATA SCIENTIST INTERN Advisor: Zoulficar S. Younes

Sept 2016 - Jan 2017

• Analyzed and applied Machine Learning algorithms on driver data in Python (Pandas, Scikit-Learn, Keras) and R

# Personal Projects \_\_\_\_\_

- Implementation in Keras/TF or Pytorch of Snapshot Ensemble, FreezeOut, EffNet, FashionNet, Squeeze-Excite-Net, VQA models, VAE, NALU, Siamese & Triplet networks, MADA, etc.
- Blog where I explain Deep Learning concepts (link)
- Memory allocator on a cluster of machines using MPI.
- Minor contribution to **scikit-learn** fixing a bug in the RFECV algorithm.
- Efficient implementation of Damerau-Levenshtein distance with Radix Trie in C++.
- Compiler front-end/back-end for the language Tiger, coded in C++, YACC, Bison, and several flavors of ASM.



- Programming Languages:
- Data Science:
- Tools & OS:

Python C/C++ SQL Java Scala Golang R Shell Latex Pytorch Keras Tensorflow Scikit-Learn Numpy Pandas Linux MacOs Git Jupyter Vim VSCode English (TOEIC 965/990) Spanish Esperanto & Korean (notions)

• Languages: French (native)