

DEEP LEARNING ENGINEER IN COMPUTER VISION

Paris, France

Education

M.S. in Computer Science (Diplôme d'ingénieur)

Paris, France 2013 - 2018

EPITA Advisor: Reda Dehak

• Machine Learning, Deep Learning, NLP, Python, C++, Golang, Scala/Kafka/Spark, Image processing, Text Mining

• Stats & Proba, Linear Algebra, Convex Optimization, Logic

Experience _____

Dataiku Paris, France

RESEARCH ENGINEER INTERN Advisor: Léo Dreyfus-Schmidt

Feb - Aug 2018

- Elaborating Deep Learning models for computer vision (transfer learning, detection, training schedule, etc.).
- Created a GPU monitoring webapp sold to a Fortune 100 company.
- Currently competing for the NATO innovation challenge using Deep Learning for Computer Vision.

ZebrIA Paris, France

GRADUATE STUDENT RESEARCHER Advisor: Guillaume Palacios

Aug 2017 - Jan 2018

• Researched & Implemented SotA NLP papers for a medical chatbot.

EPITA Paris, France

TEACHER ASSISTANT (YAKA / ACU)

Jan 2017 - Jan 2018

• Taught C, C++, Shell, SQL, Java, and algorithmic concepts to 2 classes of 350 Third 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 of Snapshot Ensemble, FreezeOut, EffNet, FashionNet, and Squeeze-Excite-Net.
- $\mbox{\bf Implementation in Pytorch}$ of VQA and Variational Autoencoders.
- Kafka pipeline in Scala/Python with multi-threaded web-scrapper, sentiment analysis and processing with Spark-Streaming.
- 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++.
- · A small search engine in Golang, with indexation & search done through a custom pool of Goroutines.
- Compiler front-end/back-end for the language Tiger, coded in C++, YACC, Bison, and several flavors of ASM.

Skills ____

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

Python C/C++ SQL Java Scala Golang R Shell Latex Keras Tensorflow Scikit-Learn Numpy Pandas PyTorch

Linux MacOs Git Jupyter Vim VSCode

French (native) English (TOEIC 965/990) Spanish Esperanto & Korean (notions)