

Arthur Douillard

AN AVID LEARNER, SPECIALIZED IN DEEP LEARNING

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Education

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

Paris, France

EPITA

2013 - 2018

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

EXCHANGE SEMESTER

Seoul, S.Korea

HANYANG UNIVERSITY

Spring 2015

- C, Operating System, Linear Algebra, Calculus, Korean

Experience

Dataiku

Paris, France

DEEP LEARNING INTERN

Spring 2018

- Deep Learning on Computer Vision problems with Keras.

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

Sept 2016 - Jan 2017

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

Thales - Air System

Limours, France

LOGISTIC ENGINEER INTERN

Jan - Feb 2015

- Tracked classified military RADARs and its components.

Projects

- Kafka pipeline** in Scala/Python with multi-threaded web-scraper, parallel **sentiment analysis** and processing with Spark-Streaming.
- Re-implementation of HOG and SIFT algorithms, **classification of human presence** with linear SVM.
- Efficient implementation of Damerau-Levenshtein distance with **Radix Trie** in C++.
- A small **search engine in Golang**, with indexation & research 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.
- Several **Machine Learning challenges** with Kaggle.

Skills

- Programming Languages:** Python Java C/C++ Scala Golang R SQL Shell Prolog Latex
- Data Science:** Scikit-Learn Numpy Pandas Tensorflow Keras Ggplot2
- Tools & OS:** Linux MacOS Git Vim VSCode Jupyter
- Languages:** French (native) English (TOEIC 965/990) Spanish (B2) Esperanto & Korean & Chinese (notions)