

Arthur Douillard

LOOKING FOR AN INTERNSHIP IN MACHINE LEARNING STARTING ON FEBRUARY 2018

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Education

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

Paris, France

EPITA

2013 - 2018

- Machine Learning, Python, C++, Golang, Scala/Kafka/Spark
- Stats & Proba, Linear Algebra, Convex Optimization, Logic

EXCHANGE SEMESTER

Seoul, S.Korea

HANYANG UNIVERSITY

Spring 2015

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

Experience

EPITA

Paris, France

TEACHER ASSISTANT (YAKA / ACU)

2017 - 2018

- Taught C, C++, Shell, SQL, Java, and algorithmic concepts to 2 class of 350 Third Year students.

MyDrive Solutions

London, United Kingdom

DATA SCIENTIST INTERN

Fall 2016

- 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.

POB-Technology

Lyon, France

ROBOTIC ENGINEER INTERN

June - July 2012

- Coded robots with RoboBee that were exposed at the Model World Fair and the Japan Expo

Projects

SCHOLAR 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 DamerauLevenshtein 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.

PERSONAL PROJECTS

- Several Machine Learning challenges with Kaggle.
- Artistic processing of movies' color in parallel in Golang
- SoundCloud music downloader (individual music, playlist, and user's likes.)

Skills

- **Programming Languages:** Python Java C/C++ Scala Golang R SQL Shell Prolog
- **Tools & OS:** Linux MacOS Git Vim VSCode Jupyter
- **Languages:** French (native) English (TOEIC 965/990) Spanish (B2) Esperanto & Korean & Chinese (notions)