Arthur **Douillard**

Looking for an internship in Machine Learning starting on February 2018

Paris, France

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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

ZebrIA   *Paris, France*

THESIS ON CHATBOT / NLP   *Fall 2017*

- Implementation of a medical chatbot with the start-up ZebrIA.
- Pre-processing, word embeddings, NER detection, intention classification, generation of text

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

SCHOLAR PROJECTS

- Kafka pipeline in Scala/Python with multi-threaded web-scrapper, 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++.
- 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.
- 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)