

Arthur Douillard

DEEP LEARNING ENGINEER IN COMPUTER VISION

Paris, France

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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

Publications

Small-Task Incremental Learning

ECCV

ARTHUR DOUILLARD, MATTHIEU CORD, CHARLES OLLION, THOMAS ROBERT, EDUARDO VALLE

2020

Insights from the Future for Continual Learning

arXiv preprint

ARTHUR DOUILLARD, EDUARDO VALLE, CHARLES OLLION, THOMAS ROBERT, MATTHIEU CORD

2020

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.

ZebraIA

Paris, France

GRADUATE STUDENT RESEARCHER *Advisor: Guillaume Palacios*

Aug 2017 - Jan 2018

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

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

Teaching

EPITA

LECTURER

- Deep Learning for Computer Vision

Master level

2019 - Now

Sorbonne Université

TEACHER ASSISTANT

- Computer Vision

Master level

2019 - Now

EPITA

TEACHER ASSISTANT

- C/C++ Programming
- Unix, Shell, Algorithm theory
- Java Programming
- Database theory and SQL
- Web programming & Project Management
- Supervision of 30 other teacher assistants

Bachelor level

2016 - 2018

Skills

- **Programming Languages:**

Python C/C++ SQL Java Scala Golang R Shell Latex

- **Data Science:**

Pytorch Keras Tensorflow Scikit-Learn Numpy Pandas

- **Tools & OS:**

Linux MacOS Git Jupyter Vim VSCode

- **Languages:**

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