Stephane Couvreur
Data Scientist

Summary

A young team playing data scientist. I have a passion for machine learning and big data, real-time processing and distributed systems. My experience has been in computer vision for medical images, and graph analytics for anti money laundering.

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Experience

October 2018 – Present

Data Scientist
Feedzai, Lisbon

- Developed machine learning models and data processing pipelines in Apache Spark and Hadoop within the Product Delivery team.

June 2017 – September 2018

Research Assistant
Great Ormond Street Hospital, London

- Embedded in a team of engineers and clinicians working on applications of data science in paediatric cardiology.

- Developed data mining and unsupervised machine learning tools in Python and R to extract useful clinical patterns in cardiac magnetic resonance imaging (CMRI).

- Accelerated medical image segmentation workflow using convolutional neural networks trained on labelled images in Tensorflow.

- Created a whole-heart computer vision workflow with an AUC of 0.752.

- The text in the entries may be of any length.

- Two successful grant applications from NVIDIA and Medtronic totalling £2500.

Education

2013 – 2017	**Master of Engineering (1st, Hons)** Mechanical Engineering *University College London (UCL)* Specialization in medical engineering and computing.
2010 – 2013	**French Baccalaureate (Hons)** Sciences *Lycee Francois 1er Fontainebleau* Specialization in mathematics, physics and chemistry (A*A*A).

Awards

Oct 2018	**Zaickathon Brand Award** Award out of 30 teams for creating a team slide interface to Google Slides by scraping HR data from Namely.
Sep 2017	**EPSRC Summer Studentship Prize** Awarded to a summer studentship student for the best research project from a pool of 30 candidates.
Nov 2016	**Blonstein Prize** Awarded to a third year student for the best overall performance in Design.

Projects

Hackathons	Alibaba Cloud Tianchi, London – Jan 2018 Kaggle Days, Dubai – April 2019
Posters	UCL Launch Campaign – 2016

Technologies

Intermediate Knowledge	Matlab, C/C++, Awk, Sed, LaTeX, Git, Theano, PyTorch
Advanced Knowledge	Python 3, R, Bash, PostgreSQL, Tensorflow, Keras, Apache Spark, Hadoop

Information

Languages	English, French - fluent Portuguese, Spanish - conversational
Memberships	Data Science Portugal

References

Dr. Ganhao	*Data Science Lead* Feedzai, Lisbon ✉ | fjs.ganhao@gmail.com
Dr. Sauvage	*Project Supervisor* Great Ormond Street Hospital, London ✉ | e.sauvage@ucl.ac.uk