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STEPHANE COUVREUR

SKILLS

A young team playing data scientist, passionate about real-time machine learning and distributed systems. My experience is in computer vision for medical images, and machine learning for cyber security, fraud and bot detection.

EXPERIENCE

Feedzai, Lisbon — *Data Scientist*

OCT 2018 - PRESENT

- Developed machine learning models detecting transaction fraud with up to 78% money recall at 1% FPR in Python and Spark.
- Supported production systems written in Java/Scala with peak throughputs of 2000 events per second and sub-200ms latency at the 99.999% percentile.
- Implemented data pipelines in Spark to train models on up to 1B rows of historical data.

Great Ormond Street Hospital, London — *Research Assistant*

JUN 2017 - SEP 2018

- Embedded in a team of engineers and clinicians working on applications of data science in paediatric cardiology. Developed unsupervised machine learning tools to extract clinical patterns in cardiac MRI images.
- Accelerated medical image segmentation workflow using convolutional neural networks trained on labelled images in Tensorflow. Whole-heart computer vision workflow achieved an AUC of 0.752.
- 2 successful grant applications from NVIDIA and Medtronic totalling £2,500.

EDUCATION

UCL, London — *Master of Engineering (1st Class, Hons)*

SEP 2013 - JUN 2017

- Specialized in Computer Science and Medical Imaging.

DISTINCTIONS

Feedzai Hackathon Brand Award - OCT 2018 - Awarded for creating a team slide interface to Google Slides by scraping HR data from Namely, competed against 27 teams.

EPSRC Studentship Prize - SEP 2017 - Awarded for the best summer studentship research project from a pool of 12 candidates.

Blonstein Prize - NOV 2016 - Awarded for best overall performance in Design as a 3rd year student.