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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*

SEP 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 - AUG 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

Zaickathon Brand Award, Oct '18 - Award out of 30 teams for creating a team slide interface to Google Slides by scraping HR data from Namely.

EPSRC Summer Studentship Prize, Sep '17 - Awarded to a summer studentship student for the best research project from a pool of 30 candidates.

Blonstein Prize, Nov '16 - Awarded to 3rd year student for the best overall performance in Design.