

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

Feedzai Hackathon Brand Award, Oct '18 – Awarded for creating a team slide interface to GSslides by scraping HR data from Namely, competed against 27 teams.

EPSRC Studentship Prize, Sep '17 – Awarded for the best summer studentship research project from a pool of 12 candidates.

Blonstein Prize, Nov '16 – Awarded for the best overall performance in Design as a 3rd year student.