

STÉPHANE COUVREUR

ABOUT

I have a **passion for big data**, real-time processing and distributed systems.

EXPERIENCE

Cloudflare, Lisbon – Senior Data Engineer

JAN 2021 – PRESENT

- Developed Spark pipelines with throughputs of >30B rows and >5TB/day.
- Aggregated requests and sensor data from Clickhouse and Prometheus in core and edge PoPs.
- Built data lineage sensing tools in Airflow, reducing PagerDuty dependency incidents by 37%.

Feedzai, Lisbon – Data Scientist

OCT 2018 – DEC 2020

- Developed ML models detecting transaction fraud with 78% money recall at 1% FPR in Spark.
- Supported production systems with throughputs of >2k events/s and <200ms latency at 99.999%.
- Built Spark pipelines on Hadoop clusters to train models on >1B rows of historical data.

Great Ormond Street Hospital, London – Research Assistant

JUN 2017 – SEP 2018

- Collaborated with engineers and clinicians building cardiac MRI segmentation pipelines.
- Implemented a whole-heart segmentation workflow achieving an AUC of 0.752 using 3D CNNs.
- Secured 2 successful grants from NVIDIA and Medtronic.

EDUCATION

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

SEP 2013 – JUN 2017

- Specialized in Computer Science and Medical Imaging.

AWARDS

Feedzai Hackathon Brand Award – OCT 2018 – Awarded for creating a team slide interface to Google Slides by scraping HR data from Namely, competing 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.