

# STÉPHANE COUVREUR

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## SKILLS

A young team playing data engineer, passionate about real-time and distributed systems.  
My experience is in cyber security and computer vision for medical images.

## EXPERIENCE

### Cloudflare, Lisbon – Data Engineer

JAN 2021 – PRESENT

- Developed Spark pipelines with throughputs of >30B rows and >5TB/day, aggregating Cloudflare 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.

## DISTINCTIONS

**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.