YOANN POUPART

Trainee Researcher & Tech-savvy

Paris, France @ yoann.poupart@ens-lyon.org

RESEARCH EXPERIENCE

Visiting Researcher — LIP6, Sorbonne University

Mar. 2024 – Ongoing — Paris

- Interpretability of multi-agent systems
- Mechanistic Interpretability applied to MARL

Visiting Researcher — Fraunhofer HHI

Oct. 2023 – Mar. 2024 — Berlin

- Mechanistic interpretability of chess RL models
- Probing, saliency maps, activation patching, etc.
- Continuation to publish the results

Machine Learning Engineer — Esker

Jan. 2023 – Sep. 2023 — Lyon

- In Context Learning and Semantic Search
- LLM inference, chaining and fine-tuning at scale

Trainee Researcher — iCSS

Feb. 2022 – Jul. 2022 — Lyon & Canterbury

- Acknowledge and quantify the privacy leakages of Street View
- Face and licence plate detection models

ENTREPRENEURSHIP

CTO (Co-Founder) — Blockloads

Jun. 2023 - Ongoing — Paris

- Customer-driven development of tailored solutions
- Cloud infrastructure and MLOps integration
- Leading software development (soon hiring interns)

PROJECTS

Apart Lab Fellowship — Apart Lab

Jan. 2024 - Ongoing — Remote

- Feature analysis of adversarial attacks
- Linear probing and contrast activation vectors

Supervised Program for Alignment Research — SPAR

Sep. 2023 - Jan. 2024 — Lyon

- Failure modes of predictive agents
- Bayesian formulation and goal-directedness training

ML for Good — EffiSciences

Oct. 2022 — Lyon

- Study of the AI Safety main issues
- Advanced Deep Learning models

PHILOSOPHY

"Practice makes perfect"

GOALS

- Speak 7 languages fluently
- Climb 8A boulders

PUBLICATIONS

- Ongoing writing on chess interpretability
- Topology-Driven Ordering of Flocking Matter, *Physical Review X*, 2021.

ROBOTS

Python, PyTorch, Pandas, Numpy, SQL

node, JS, C++, Bash, Ocaml

Arch, Linux, Windows, git, GitHub, Azure, Docker

HUMANS

French, English, Spanish, Russian, Japanese

Perfectionist, Curious, Team-working

EDUCATION

Long Research Project

ENS de Lyon

Ongoing — Lyon

Master in Complex Systems

ENS de Lyon

Aug. 2022 — Lyon

REFERENCES

Nicolas Maudet

LIP6, Sorbonne University supervisor (2024)

LIP6 @ nicolas.maudet@lip6.fr

Ekkehard Schnoor

Fraunhofer HHI supervisor (2023-2024)

HHI @ ekkehard.schnoor@hhi.fraunhofer.de