

# YOANN POUPART

Trainee Researcher & Tech-savvy

📍 Lyon, France

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## RESEARCH EXPERIENCE

Visiting Researcher **Fraunhofer HHI**

📅 Oct. 2023 - Ongoing

📍 Berlin

- ★ Mechanistic interpretability of planning in RL models
- 🔧 Variations of Decision Transformers
- ➔ Chessable research projects competition

Machine Learning Engineer **Escher**

📅 Jan. 2023 - Sep. 2023

📍 Lyon

- ★ In Context Learning and Semantic Search
- 🔧 LLM inference, chaining and fine-tuning at scale
- ➔ GitHub repository publicly available for the courses part (🔗)

Trainee Researcher **iCSS**

📅 Feb. 2022 - Jul. 2022

📍 Lyon & Canterbury

- ★ Acknowledge and quantify the privacy leakages of Google 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

Supervised Program for Alignment Research **SPAR**

📅 Sep. 2023 - Ongoing

📍 Lyon

- ★ Failure modes of predictive agents
- 🔧 Bayesian formulation and goal-directedness training
- ➔ Applied project with a workshop presentation

AI Safety Bootcamps & Hackathons

📅 Jan. 2023 - Aug. 2023

📍 Paris & Remote

- ★ Bootcamps: AGISF 101 & ARENA -> AGISF 201
- ★ AIS hackathon at Meta on Machine Unlearning
- ➔ Machine Unlearning NeurIPS competition

ML for Good **EffiSciences**

📅 Oct. 2022

📍 Lyon

- ★ Study of the AI Safety main issues
- 🔧 Advanced Deep Learning models
- ➔ Applied AI Safety research projects

## PHILOSOPHY

*"Practice makes perfect"*

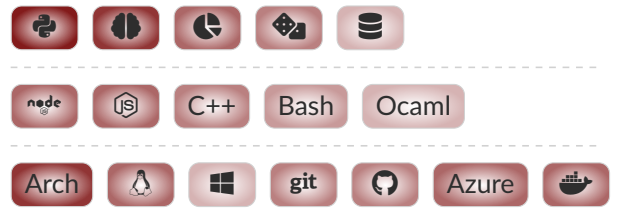
## GOALS

- 🗣 Speak 7 languages fluently
- 🧗 Climb 8A boulders

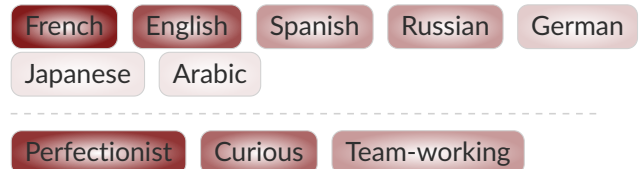
## PUBLICATION

✳ Topology-Driven Ordering of Flocking Matter, *Physical Review X*, 2021.

## ROBOTS



## HUMANS



## EDUCATION

Long Research Project

**ENS de Lyon**

📅 Ongoing

📍 Lyon

Master in Complex Systems

**ENS de Lyon**

📅 Aug. 2022

📍 Lyon

## REFERENCES

Ekkehard Schnoor

Fraunhofer HHI supervisor (2024)

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Chan Bae

SPAR mentor (2023)

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