

# Yoann Poupart

Student & Tech-savvy

📍 Lyon, France

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## RESEARCH EXPERIENCES

Trainee Researcher

iCSS @ S.J.Li@kent.ac.uk

📅 February 2022 – July 2022

📍 Lyon & Canterbury

- ★ Acknowledgement and quantification the privacy issue with Google Street View
- 🔧 Face and licence plate detection models
- ➔ Project pursued in order to publish an article

Trainee Researcher

LSCE @ philippe.naveau@lsce.ipsl.fr

📅 May 2021 – July 2021

📍 Lyon & Paris

- ★ Improving prediction on extreme climate such as annual temperature maxima and annual precipitation maxima
- 🔧 Data generation through the use of GANs.
- ➔ The GitHub repository can be found [here](#)

Trainee Researcher

CNRS @ denis.bartolo@ens-lyon.fr

📅 June 2020 – July 2020

📍 Lyon

- ★ Study of Active Matter through Toner-Tu equation simulation
- 🔧 Python mainly with the FEniCS library
- ➔ Publication in the scientific journal "Physical Review X" [here](#)

## PROJECTS

ML for Good

EffiSciences

📅 October 2022

📍 Lyon

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

Twitch Network Analysis

ENS de Lyon

📅 October 2021 – January 2022

📍 Lyon

- ★ Insights on the streamer communities and links between streamers and watchers
- 🔧 Scraping and visualization tools
- ➔ The GitHub repository can be found [here](#)

Various Simulations Project

ENS de Lyon

📅 March 2020 – June 2020

📍 Lyon

- 🔧 Diverse Data Science tools

## ACHIEVEMENTS & GOALS



Teacher Qualification

Certification to teach Computer Science in high school (CAPES NSI).



English Certification

Cambridge Advanced English with grade C1.



Animation Worker Qualification

Certification to entertain children (BAFA).



Language Goal

Being able to speak 7 languages casually (French, English, Russian, Spanish, Japanese, Mandarin & Arabic).



Bouldering Goal

Being able to complete 8A boulders.



## PROGRAMMATION

Python



AI-ML: sk-learn, keras, torch, openai & opencv

Data-Science: numpy, scipy, pandas & networkx

Other: matplotlib, fenics, django, sqlite, scrapy etc.

C/C++



cmake, std, opencv & Qt

SQL



sqlite & postgresql

Ocaml



Bash



🔧 Linux terminal, OS configuration, planification scripts & server management

Latex



HTML//CSS//Javascript



## DIPLOMAS

Master Degree in Physics

Speciality in Complex Systems

ENS de Lyon

📅 Yet to come

📍 Lyon

Bachelor Degree in Physics

ENS de Lyon & Université Lyon 1

📅 July 2020

📍 Lyon

Scientific High School Diploma

Lycée Jean Moulin

📅 June 2017

📍 Albertville

## Experimental Project

Lycée du Parc

January 2018 – May 2019

Lyon

- ★ Study on the autonomous cars
- 🔧 Arduino chip computation and path algorithms

## TEACHING EXPERIENCES

### Technology Teacher

Lycée Edgar Quinet

September 2022 – Now

Bourg-en-bresse

- ★ Digital technology teaching in high school
- 🔧 Vulgarization and practice initiations

### Private Teacher

Superprof

September 2017 – Now

Lyon & Albertville

- ★ Teaching to Bachelor and Master students in Mathematics and Computer Science
- 🔧 Vulgarization, exercises correction and presentations
- ➔ My ads (in French): [Mathematics](#) & [Computer Science](#)

### Physics Tutor

ENS de Lyon

September 2020 – August 2021

Lyon

- ★ Support to Physics students

### Child Entertainer

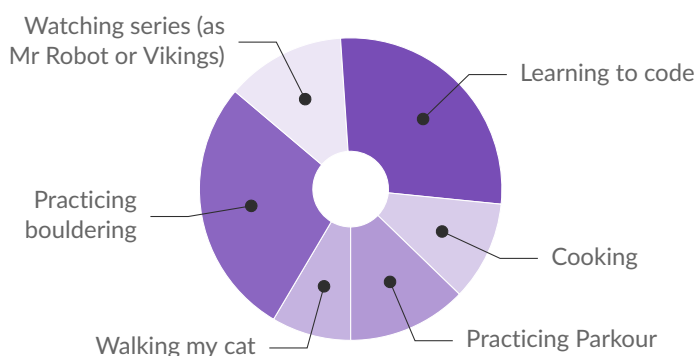
CE-SNCF

December 2016 – August 2018

France

- ★ Organisation and entertainment of multiple youth camps

## HOBBIES



## PHILOSOPHY

"Practice makes perfect"

&

"Never give up"

&

"There is positive in every situation"

## QUALITIES

Perfectionist

Attentive

Steady

Patient

Assiduous

Hard-working

## LANGUAGE SKILLS

French

English

C1 certified



Russian

Spanish



Japanese



## STUDIES

### Second Year of Master in Complex Systems

ENS de Lyon

2020 – 2021

Lyon

Computer Science

Mark : 18

Complex Networks

Mark : 15.15

Computational Physics

Mark : 18.3

### First Year of Master in Physics

ENS de Lyon

2020 – 2021

Lyon

Machine Learning

Mark : 17

Tensor and geometry

Mark : 19.5

3 months internship

Mark : 17

### Third Year of Bachelor in Physics

ENS de Lyon

2019 – 2020

Lyon

### Physics Preparatory School (PC)

Lycée du Parc

2018 – 2019

Lyon

### Physics Preparatory School (PCSI)

Lycée Jean Perrin

2017 – 2018

Lyon