

YOANN POUPART

Student & Tech-savvy

@ yoann.poupart@ens-lyon.fr

+33 6 37 41 16 06

Lyon, France

Xmaster6y



EXPERIENCES

Numerical internship

LSCE @ philippe.naveau@lsce.ipsl.fr

May 2021 – August 2021

Lyon & Paris

This internship took place in the Physics Institute of the LSCE at Paris Saclay, under the supervision of Philippe Naveau. The project aimed to improve prediction on extreme climate data such as annual temperature maxima and annual precipitation maxima. To reach this goal, the focus was put on creating new meaningful data through the use of GANs. Although the results are not convincing yet, this project could be promising. The github repository can be found [here](#).

Numerical internship

ENS de Lyon @ denis.bartolo@ens-lyon.fr

June 2020 – August 2020

Lyon

This internship took place in the Physics laboratory of the CNRS at the ENS de Lyon, under the supervision of Denis Bartolo. I have been studying Fluid Mechanics, and more precisely Active Matter. I have performed simulations of the Toner-Tu equation with Python (mostly with the FEniCS library). This project is part of a forthcoming publication in the scientific journal "Physical Review X" [here](#).

Modelling projects

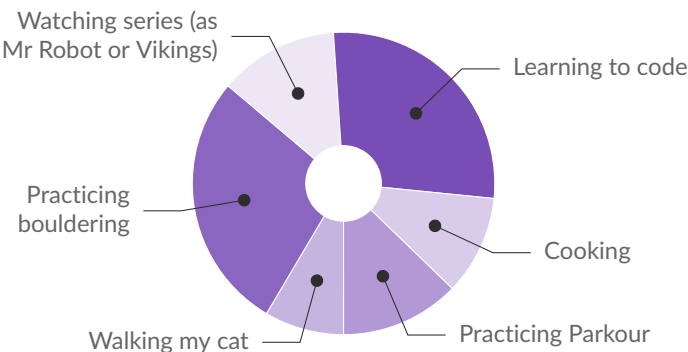
ENS de Lyon

February 2020 – May 2020

Lyon

Through my third year of License I achieved multiple numerical projects. For example I chose to model the perturbation of the Solar System by a massive heavenly body. More precisely the simulation tried to answer the following question: What if Oumuamua's mass had been much higher? These simulations gave insight into the stability of the Solar System.

HOBBIES



PHILOSOPHY

"Practice makes perfect"

ACHIEVEMENTS & GOALS

Website

I have made a site for my parents' company.

AI Contest

I have participated to the AI competition Challenge Data and others onto Kaggle.

QUALITIES

Perfectionist Attentive Steady Patient
Assiduous Hard-working

LANGUAGES

French English

Russian Spanish

PROGRAMMING SKILLS

Python (numpy, scipy, pandas, sk-learn, keras, networkx, fenics, matplotlib, plotly)
C//C++
Bash

Latex
HTML//CSS//Javascript//SQL

STUDIES

First year of Master in Physics

ENS de Lyon

2020 – 2021

Lyon

Machine Learning
Tensor and geometry

Mark : 17
Mark : 19.5

Third year of License in Physics

ENS de Lyon

2019 – 2020

Lyon

Programming project
Classical thermodynamics

Mark : 18
Mark : 18.5