YOANN POUPART

Student & Tech-savvy

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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.
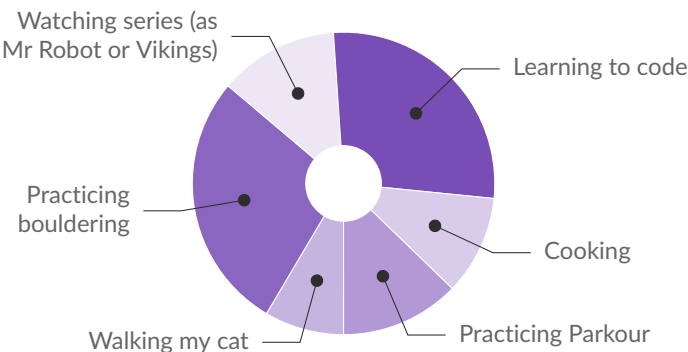
Modelling projects

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

Watching series (as Mr Robot or Vikings) · Learning to code · Cooking · Practicing Parkour · Walking my cat · Practicing bouldering

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

Language	Level
French	●●●●●
English	●●●●○
Russian	●●○○○
Spanish	●●○○○
Japanese	●○○○○

</> PROGRAMMING SKILLS

Skill	Level
Python	●●●●●

(numpy, scipy, pandas, sk-learn, keras, networkx, fenics, matplotlib, plotly, django, scrapy)

Skill	Level
C//Ocaml	●●●●○
Bash	●●●●○
Latex	●●●●○
HTML//CSS//Javascript//SQL	●●●○○

📖 STUDIES

First year of Master in Physics

ENS de Lyon

📅 2020 – 2021   📍 Lyon

Machine Learning	Mark : 17
Tensor and geometry	Mark : 19.5

Third year of License in Physics

ENS de Lyon

📅 2019 – 2020   📍 Lyon

Programming project	Mark : 18
Classical thermodynamics	Mark : 18.5