Guillaume Thiry

✉ gthiry@student.ethz.ch

📞 (+33) 7 50 93 09 02

○ github.com/guillaume-thiry

Master's student at ETH Zürich

🎓 Education

2020-2022

Master of Science in Data Science *(to be obtained in September 2022)*
ETH - Zürich
Courses in Machine Learning, Deep Learning, Big Data, Algorithms and Statistics. Current GPA: 5.6/6.0

2017-2020

Master of Science in Computer Science
École Polytechnique, IP Paris - Palaiseau
France's top science school. Major in Computer Sciences (Machine Learning and Computer Graphics), Minor in Applied Mathematics (Statistics and Optimization). Extra courses in Biology, Mathematics and Physics. GPA: 3.9/4.0

2014-2017

Classes préparatoires (Equivalent to a Bachelor of Science)
Lycée Saint-Louis - Paris
Intensive preparation in Math and Physics for the highly competitive entrance exams to the French Grandes Ecoles

💼 Experience

March 2022 - August 2022

Master Thesis
ETH Computer Vision Lab - Zürich   (Python - PyTorch)
- Currently conducting research work on Video Inpainting with Vision Transformers

March 2021 - July 2021

Data Science Lab
ETH and Empa - Zürich   (Python - PyTorch)
- Performed multi-label classification of tree-related time series with 70% accuracy using Residual Neural Networks
- Improved the filling of missing data in the time series by 45% compared to previous baselines using LSTMs

March 2020 - August 2020

Research Intern
INRIA - Saclay   (Python)
- Designed a chatbot using non-ML techniques to query SDMX data, in collaboration with OECD
- Achieved above 90% of accuracy for the typical questions asked on this data
- Polytechnique Research Internship Award. Publication in NLIWOD 2020: https://hal.inria.fr/hal-03021075/document

June 2019 - August 2019

Data Scientist Intern
French Ministry of Foreign Affairs - Paris   (Python - Scikit Learn)
- Designed risk prediction tools to answer diplomatic and security issues, using open data and Random Forests
- Produced various reports for a department of 80 diplomatic agents monitoring threats in the world
- Collaborated with a team of 6 regional experts to qualitatively assess my results

Skills

- **Python / C++ / SQL**   (R / Java)
- **Pandas / Scikit-learn / PyTorch / Tensorflow**
- LaTeX / Git / Jupyter Notebook / Bash
- Windows / Ubuntu
- Google Office / Microsoft Office / Libre Office

Languages

French	Native speaker
English	Fluent (TOEIC: 960, TOEFL: 108)
Spanish, German	Moderate A2-B1

Extra activities

- Former president of a school club promoting equal opportunity in education (15 members, 100+ high school students helped)
- Occasional badminton player, pianist and video maker