

Guillaume Thiry

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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

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|-----------------|---------------------------------|
| 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