MARIJN VAN DER MEER

Master Student in Data Science

@ marijn.vandermeer@epfl.ch 📍 Renens, VD marvande
marijn-van-der-meer 26 years old 📞 +31 6 279 719 57
Passionate Data Science student looking for ways to harness machine learning and big data for science and society

EXPERIENCE

Master's Thesis
Geoscience & Remote Sensing (TU Delft)

📅 February 2022 – August 2022   📍 Delft, NL

- Predicting Antarctic ice sheet regional surface mass balance and runoff with machine learning simulations
- Supervisors: Prof. Lhermitte (TU Delft) and Prof. Jäggi (EPFL)

Operational Machine Learning Intern
SOPHiA GENETICS

📅 July 2021 – January 2022   📍 St-Sulpice, CH

- Predicting the evolution and rise of new SARS-CoV-2 variants using a hierarchical Bayesian multinomial model
- Maintaining and developing machine learning models optimising costs and production of data science pipelines

Data Science Intern
Swiss Data Science Center (EPFL-ETHZ)

📅 September 2020 – July 2021   📍 Lausanne, CH

- Nonlinear feature extraction of the stratosphere to explore the behaviour, patterns and variability of the Arctic polar vortex

Machine Learning Intern
Signal Processing Laboratory (EPFL)

📅 January 2020 — June 2020   📍 Lausanne, CH

- Super resolution of medical melanoma scans using deep learning

Teaching Assistant
École Polytechnique Fédérale de Lausanne

📅 2017 – 2021   📍 Lausanne, CH

- Physics, Programming and Biology for B.S. students

Computer Vision Intern
Institute of chemical sciences and engineering (EPFL)

📅 July 2017 – August 2017   📍 Lausanne, CH

- Developing a Hough transform algorithm for image processing

LANGUAGES

English
French
(Swiss) German
Dutch

EDUCATION

M.S. in Data Science
École Polytechnique Fédérale

📅 Lausanne CH, 2019 – 2022

B.S. exchange in Computer Science
Eidgenössische Technische Hochschule

📅 Zürich CH, 2018 – 2019

B.S. in Life Science Engineering
École Polytechnique Fédérale

📅 Lausanne CH, 2016 – 2019

EXTRACURRICULAR

Student delegate
Representation of Data Science students at CS faculty meetings
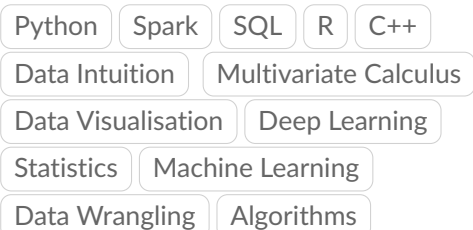
President of Polyquity
Coordination of teams, organisation of events, fundraising and collaboration with the EPFL board and faculty

Parliamentary delegate
Member of a Swiss parliamentary session promoting gender equality

TECHNICAL SKILLS

Python Spark SQL R C++
Data Intuition Multivariate Calculus
Data Visualisation Deep Learning
Statistics Machine Learning
Data Wrangling Algorithms

REFERENCES

Prof. Stef Lhermitte
Delft University of Technology
Assistant Professor
@ S.Lhermitte@tudelft.nl

Richard Warnett
SOPHiA GENETICS
Vice President of Engineering
@ RWarnett@sophiagenetics.com

Raphaël de Fondeville, Ph.D.
Swiss Data Science Center
Senior data scientist
@ raphael.de-fondeville@epfl.ch