

## Data Scientist & Life Science Engineer

📍 Lausanne, Switzerland



## Independent Contractor: Machine Learning and Data Science Specialist & Lead Data team

📍 Remotely

- Designed and developed a reinforcement learning-based model for stock market analysis and prediction.
- Deployed MLflow for model tracking and versioning; served models via custom FastAPI endpoints.
- Mentored junior data scientists and managed team collaboration via GitHub.
- Assumed project management responsibilities, including backlog and roadmap planning.

📍 Urdorf, ZH

- Developed and tested automated control strategies for mammalian and microbial cell cultures using real-time process data.
- Integrated convolutional neural networks and machine learning models into bioprocess pipelines.
- Authored and executed validation test plans for new bioprocessing products.
- Led various bioprocess experiments (cell culture and fermentation) and contributed to the Bioprocess 4.0 product roadmap.

📍 Gamsen, VS

- Worked daily as a Lab Scientist in a GMP environment.
- Led the integration of online analysis tools into the quality control lab's workflows.

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- “Implementation and usage of an electronic nose for the monitoring of bioprocesses,” 2024.

- “Characterization, optimization, and validation of an autosampling unit for microbial fermentation processes,” 2021.

M.S. in Applied Computational Life Sciences

📍 Wädenswil

📍 Sion



## Bouldering, Biking, Roller Skating and Calisthenics



Competitive and certified judge for  
Pokémon TCG (2009–2022)



Homebrewer, hobbyist with Arduino and Raspberry, 3D printing

Science Communication      analytical thinking

French  
English  
German

