

JONATHAN HAAB

Insightful bioinformatics graduate looking for an exciting role to put his skills into good use and grow professionally and personally.

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Swiss, Belgian
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EDUCATION

MSc in Computational Biology and Bioinformatics

ETH Zürich

September 2019 - March 2022

BSc in Life Sciences Engineering

EPF Lausanne

September 2016 - July 2019

Exchange year program

Lund University

August 2018 - June 2019

PUBLICATIONS

- Haab, Jonathan, Nicolas Deutschmann, and Maria Rodríguez Martínez (2022). *Is Attention Interpretation? A Quantitative Assessment On Sets*. DOI: 10.48550/ARXIV.2207.13018.

LANGUAGES

French ●●●●●

English ●●●●●

German ●●●●●

HOBBY

Mountain Bike Movies Traveling
Concerts Cooking Running
Handball Hiking Reading
Fixing bikes

EXPERIENCE

Research Scientist

IBM Research Zurich

April - October 2022

Tasks

- Implement Deep Learning models along with appropriate unit tests and synthetic datasets simulation to speed up troubleshooting
- Design of experiments assessing the interpretability of novel models
- Written and oral results report

Technologies Python, Pytorch, Lightning, NumPy, scikit-learn, MLFlow, Pandas, Matplotlib, Seaborn, LaTeX

Achievements First publication

PROJECTS

Evaluation of computational pipelines for multimodal single-cell data

UZH – Robinson Lab

May - July 2021

Tasks

- Built a pipeline to assess the performance of different combinations of normalization and clustering methods on CITE and REAP-seq data
- Implementation of custom metric to score normalization performance

Technologies R, RStudio, ggplot, SingleCellExperiment

VOLUNTEERING

CCBB President

VSETH – VIS

Februar 2021 - March 2022

Tasks

- Manage around fifteen people, moderate board meetings, keep track of budget
- Gather experience from graduates, inform prospective students, administer Slack workspace and Confluence wiki
- Organize social and career oriented events
- Represent students at department meetings, be attentive of students well-being, bring support