# **JONATHAN HAAB**

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

 ➤ Neugasse 60, 8005 Zürich in jonathan-haab

Swiss, Belgianhttps://johaab.github.io/



## **EDUCATION**

MSc in Computational Biology and Bioinformatics

#### ETH Zürich

🛗 September 2019 - March 2022

# BSc in Life Sciences Engineering EPF Lausanne

### Exchange year program Lund University

## August 2018 - June 2019

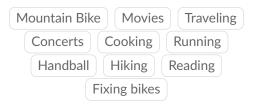
## **PUBLICATIONS**

 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**



### **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

#### **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

m 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