

Hendrik Johannes Klug

Zürich, Switzerland
Email: klugh@ethz.ch
URL: hendrikklug.xyz
<https://github.com/Jimmy2027>



Current position

Master Student (2019-2021), Dept. of Information Technology and Electrical Engineering (D-ITET), ETHZ

Areas of specialisation

Computer Vision; Medical Data Science; Deep Learning

Education

ETH Zürich

2020 BSc in Information Technology and Electrical Engineering, ETH Zürich

Lycée International de Ferney-Voltaire, France

2012-2015 Baccalauréat scientifique à Option Internationale
German Abitur

Conference Proceedings

2021 **Hendrik Klug**, Thomas M. Sutter, Julia E. Vogt, "Multimodal Generative Learning on the MIMIC-CXR Database", *MIDL 2021*, July 2021.

2021 **Hendrik Klug**, Berkan Lafci, Markus Rudin, Daniel Razansky, Horea-Ioan Ioanas, "Machine Learning Enabled Brain Segmentation for Small Animal Neuroimaging Registration", *EMIM 2021*, August 2021.

Academic Projects

- [Multimodal Generative Learning with Normalizing Flows](#), (see slides)
- [Multimodal Generative Learning on the MIMIC-CXR Database](#), (see short paper)
- [Machine Learning Enabled Brain Segmentation for Small Animal Image Registration](#), (see article or EMIM 2021 abstract submission)
- [Adversarial Training for Automatic Speech Recognition Systems](#)
- In the context of the 2020 Computational Biomedicine lecture:
[Humpty Dumpty](#) (efficient read alignment)
[idiva](#) (identification of disease variants)

Non-Academic Projects

- [Norby](#), automatic supervision of command line jobs and python processes
- [PPB](#), a personal pastebin
- contestant at the BärnHäckt 2020 hackathon: [quick-help-ai](#)
- contestant at the HackZurich 2019 Credit Suisse challenge:
[News & Asset recommendation system using NLP](#)
- winner at the ETH Zurich PolyHACK 2018 hackathon challenge:
Power Line Inspection (EWATT)

Past Work Experience

2014	2 weeks at the Marien Krankenhaus Cochem
2012	2 weeks at the Hotel Kessler-Meyer in Cochem, Mosel

Skills

Langugages: German (native), French (native), English (fluent), Italian (Bi)

Computer languages: Python, Bash, C++, Matlab, SQL, XML, HTML

Development skills: Machine learning, NLP, Databases (MongoDB, PostgreSQL, Rumble, SQLite), GitHub, Gentoo Linux, \LaTeX

Interests

cycling, rock climbing, violin, backcountry skiing, hiking

Last updated: August 13, 2021