Claus Hofmann

Vienna, Austria

in Claus Hofmann ⦿ claushofmann 🌐 claus-hofmann.com

EDUCATION

Johannes Kepler University Linz **10 2022 – NOW**
Ph.D. Artificial Intelligence *Linz, Austria*

- Conducting research at the Institute for Machine Learning, supervised by Sepp Hochreiter

University of Vienna **10 2018 – 11 2020**
M.Sc. Computer Science - Data Science - **GPA - 1.14** *Vienna, Austria*

- **Received appreciation award by the Austrian Federal Ministry of Science and Education as one of the best 50 M.Sc. graduates in Austria across all disciplines (best 3 in Computer Science)**
- Received "Best of the Best Award" from the Faculty of Computer Science for being top 2 among all students graduating in the same academic year

University of Vienna **10 2015 – 09 2018**
B.Sc. Computer Science - Data Science - **GPA - 1.20** *Vienna, Austria*

- Received "Best of the Best Award" from the Faculty of Computer Science for being in the top 2 among a cohort of 600 students

SCIENTIFIC INTERESTS

- Deep Learning
- Sequence modeling
- Generative modeling
- Out-of-distribution detection
- Model reliability
- Modern Hopfield networks

SELECTED PUBLICATIONS

- Hofmann et al. (2025) AP-OOD: Attention Pooling for Out-of- Distribution Detection. In: **Under review**. *Also in EurIPS 2025 MetaGenAI workshop.*

- Hofmann et al. (2024) Energy-based Hopfield Boosting for Out-of-Distribution Detection. In: **NeurIPS 2024**. *Also in ICML 2024 GRaM and Differentiable Almost Everything workshops.*

Professional Experience

Johannes Kepler University Linz **10 2022 – NOW**
Machine Learning Researcher *Linz, Austria*

- Conducting research, teaching courses, and working with industry partners at the Institute for Machine Learning

EnliteAI **05 2021 – 09 2022**
Machine Learning Engineer *Vienna, Austria*

- Working on Detekt, a platform for applying AI to geospatial data
- Contributed models for segmentation and classification of road damages, road markings and road signs to the platform
- Designed and implemented an algorithm for the fusion and georeferencing of detections of identical objects in multiple images

University of Vienna **09 2018 – 08 2020**
Teaching Assistant *Vienna, Austria*

- Responsible for the course "Foundations of Data Analysis" with approximately 100 students per semester
- Presenting coding tutorials during the lecture
- Creating and grading coding- and theory assignments

Bearing Point **07 2018 – 08 2018**
Software Engineering Internship *Vienna, Austria*

- Working on a software project with a focus on big data

SKILLS

Technologies: PyTorch, Python, TensorFlow, Keras, Java, C++, C, Swift, Javascript, Apache Spark

Languages: English, German, French