

CLAUS HOFMANN

Vienna, Austria

[in Claus Hofmann](#) [claushofmann](#) [claushofmann.github.io](#)

EDUCATION

Johannes Kepler University Linz <i>Ph.D. Artificial Intelligence — Advisor: Prof. Sepp Hochreiter</i>	10 2022 – NOW <i>Linz, Austria</i>
• Research Focus: Out-of-distribution detection, Attention Mechanisms, and Modern Hopfield Networks.	
University of Vienna <i>M.Sc. Computer Science — Data Science — GPA - 1.14</i>	10 2018 – 11 2020 <i>Vienna, Austria</i>
University of Vienna <i>B.Sc. Computer Science — Data Science — GPA - 1.20</i>	10 2015 – 09 2018 <i>Vienna, Austria</i>

HONORS AND AWARDS

- **Appreciation Award (2021)** — *Federal Ministry of Science and Education*
Recognized as one of the **Top 50 graduates in Austria** across all disciplines (Top 3 in Computer Science).
- **Best of the Best Award (2019 & 2021)** — *University of Vienna*
Awarded twice for ranking in the **Top 2** of the graduating class for both **B.Sc.** and **M.Sc.** degrees (initial intake of 600+ students).

SELECTED PUBLICATIONS

- Hofmann et al. (2026) [AP-OOD: Attention Pooling for Out-of-Distribution Detection](#). In: **ICLR 2026**. *Also in EurIPS 2025 MetaGenAI and Epistemic Intelligence in Machine Learning workshops.*
- Hofmann et al. (2024) [Energy-based Hopfield Boosting for Out-of-Distribution Detection](#). In: **NeurIPS 2024**. *Also in NeurIPS 2023 Associative Memory & Hopfield Networks workshop (Oral).* [GitHub](#)

SCIENTIFIC INTERESTS

- Deep Learning
- Sequence modeling
- Attention-based architectures
- Out-of-distribution detection
- Model reliability
- Modern Hopfield networks

PROFESSIONAL EXPERIENCE

Johannes Kepler University Linz <i>Machine Learning Researcher</i>	10 2022 – NOW <i>Linz, Austria</i>
• Collaborating with industry partners and instructing undergraduate courses.	

EnliteAI <i>Machine Learning Engineer</i>	05 2021 – 09 2022 <i>Vienna, Austria</i>
• Engineered core vision components for Detekt (a geospatial AI platform), deploying semantic segmentation models for road infrastructure analysis. • Architected a georeferencing fusion algorithm to unify object detections across multi-view imagery.	

University of Vienna <i>Teaching Assistant</i>	09 2018 – 08 2020 <i>Vienna, Austria</i>
• Conducted weekly coding tutorials and technical walkthroughs for the "Foundations of Data Analysis" course (~100 students per semester). • Designed and evaluated coding and theory assignments to assess student grasp of core data science concepts.	

Bearing Point <i>Software Engineering Internship</i>	07 2018 – 08 2018 <i>Vienna, Austria</i>
• Contributed to the development of big data pipelines using Apache Kafka.	

SKILLS

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

Languages: English, German, French