

# CLAUS HOFMANN

Vienna, Austria

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

## EDUCATION

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**Johannes Kepler University Linz** **10 2022 – 12 2026 (expected)**  
*Ph.D. Artificial Intelligence — Advisor: Prof. Sepp Hochreiter* *Linz, Austria*

- Research Focus: Out-of-Distribution Detection, Attention Mechanisms, and Modern Hopfield Networks.

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

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

## HONORS AND AWARDS

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- **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

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- 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

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

## PROFESSIONAL EXPERIENCE

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

- Collaborating with industry partners and instructing undergraduate courses.

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

- 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** **09 2018 – 08 2020**  
*Teaching Assistant* *Vienna, Austria*

- 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** **07 2018 – 08 2018**  
*Software Engineering Internship* *Vienna, Austria*

- Contributed to the development of big data pipelines using Apache Kafka.

## SKILLS

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

**Languages:** English, German, French