

PROFESSIONAL SUMMARY

- **Founder & Entrepreneur:** Founder of Goedly, a research-focused company specializing in the automation of the complete software lifecycle, currently focused on websites. Leading fundamental research in AGI theory and Gödel Machine theory to achieve significant competitive advantages through innovative approaches to software automation.
- **Technical Expertise:** Extensive experience in AI and software engineering, with strong focus on machine learning, neural networks, and practical implementations. Proficient in modern ML frameworks and cloud technologies including PyTorch, TensorFlow, OpenAI APIs, Huggingface (minor contributor to transformers), multi-agent LLM architectures, Google Cloud Platform, AWS, and Kubernetes.
- **Leadership and AI Strategy:** Built and led the AI department at Fabasoft from ground up, successfully integrating AI into the Fabasoft Cloud ecosystem. Responsible for approximately 30 developers across business units and directly managed a team of 4. Developed and implemented the AIOps process across all Fabasoft subsidiaries, resulting in multiple productive and commercially successful AI use cases.
- **Research and Innovation:** Successfully implemented novel architectures in graph transformers and graph neural networks, particularly in drug discovery. Demonstrated ability to bridge theoretical research with practical applications through containerized deployment and hyperscalable cloud infrastructure.

EXPERIENCE

- **Goedly** Linz, Austria
Founder & CEO May 2025 - Present
 - **Company Vision:** Founded Goedly as a research-focused company dedicated to automating the complete software lifecycle, with current focus on website development and deployment. The company emphasizes fundamental research to achieve significant competitive advantages in the market, with the goal of becoming economically viable by end of 2025.
 - **Unique Market Positioning:** Goedly fundamentally differentiates from competitors like Lovable or Replit by taking complete responsibility for code - users never interact with or see code, only the final outcomes. This agency-like approach allows customers to communicate with Goedly's AI agents as they would with a traditional website agency, including via email. Users focus solely on their requirements and results, while Goedly handles all technical complexity autonomously.
 - **Technical Architecture:** Developing a hyperscalable solution built on Google Cloud Platform, leveraging a sophisticated multi-agent LLM architecture with multiple LLM providers to ensure reliability, performance, and cutting-edge capabilities in software automation.
 - **Research Focus:** Leading fundamental research in AGI theory and Gödel Machine theory to push the boundaries of autonomous software development. This research-first approach aims to create breakthrough solutions that fundamentally differ from current market offerings.
- **Fabasoft** Linz, Austria
Head of Competence Center AI April 2024 - August 2025
 - **Department Building and Leadership:** Built and led Fabasoft's AI department from inception, directly managing a team of 4 members while being co-responsible for the development of approximately 30 developers across all business units. Successfully guided the company's AI strategy in close cooperation with upper management and the CEO.
 - **AI Integration and Ecosystem Development:** Led the successful integration of artificial intelligence into the Fabasoft Cloud ecosystem, transforming the company from having no AI use cases to multiple productive and commercially sold AI solutions. Developed solutions in areas including Classification, LLMs, and RAG that could scale to all customers.
 - **Process Development and Implementation:** Developed and implemented the comprehensive AIOps process covering conceptualization, planning, evaluation, productization, and deployment of state-of-the-art AI use cases. Successfully introduced this process across all Fabasoft subsidiaries, ensuring self-sustained production of AI solutions.

- **Cross-Functional Leadership:** Coached and supported Marketing, Sales, and Professional Services teams to understand both the opportunities and limitations of AI, enabling effective communication and realistic expectations with clients and stakeholders.

• Johannes Kepler University Linz (JKU)

Linz, Austria

Studies in Artificial Intelligence

October 2019 - September 2024

- **Artificial Intelligence (AI):** Graduated both Master's and Bachelor's degree programs in AI with distinction. Master's thesis completed in cooperation with Voestalpine AG, centered around uncertainty estimation using machine learning in regression (see [Krauck, 2024]).
Studies focused on cutting-edge machine learning techniques and neural network architectures, including GPT, LLMs, BERT, LSTM, Graph Neural Networks, and uncertainty estimation. This academic journey provided a robust theoretical foundation, enhancing skills in scientific writing and evidence-based conclusion forming.
- **Special Achievements:** Won 3rd place in the academic category of the international ACM RecSys Challenge 2021 (see [Krauck et al., 2021]).

• Institute of Machine Learning JKU

Linz, Austria

Student Researcher

Summer 2021 - November 2021

- **Scientific work on novel graph neural networks (GNNs):** Conducted basic research on novel GNNs applicable in the domain of drug discovery and other fields in Prof. Sepp Hochreiter's machine learning institute at JKU. This work aimed to improve current GNN architectures and make GNNs more expressive. Collaborated with major researchers of the institute¹.
- **Further assisting the Institute:** Collaborated in drafting a scientific proposal to the FWF², to grant the best artificial intelligence researchers in Austria major funds of approximately 70 million € under the research director Sepp Hochreiter.
- **Bachelor's Thesis in the novel area of Graph Transformers:** Thesis investigated pre-training methods within the emerging domain of graph transformers, with particular emphasis on molecular graph data for biological and physical property predictions. In the course of this work, contributed to the Huggingface community by improving the source code.

• Pre-Artificial Intelligence Software Engineering Experience

Linz, Austria

Software Engineer

- **Backend Java Developer - 2019 at OPTA-DATA³:** Developed a Java backend for a mobile app catering to taxi navigation, logistics, and routing. Utilized Java Spring framework, Docker, and software test automation.
- **Internship as software engineer - 2017 at Dr. Steffan Datentechnik:** Completed a C# application focused on client management and developed an Android application for controlling dummy vehicles for car safety tests.
- **5 year IT specialized school - 2012-2018 in HTBLA Leonding:** In this IT specialized school, developed strong fundamentals in software engineering. This long-term experience enables fast adaptation to any programming environment with clean code capabilities.

PERSONAL INTERESTS

- **Innovation in AI:** Actively engaged in staying current with AI advancements, particularly in areas of large language models, neural architectures, and their practical applications. Passionate about combining theoretical research with practical implementation to drive meaningful progress in the field.
- **Intellectual Discourse:** Deeply driven by engaging in high-level technical discussions about ambitious topics in AI and computer science. Thrive in environments where complex ideas can be exchanged with other passionate technologists, particularly about pushing the boundaries of what's possible in machine learning and software engineering.

REFERENCES

A. Krauck. A new perspective on uncertainty techniques in regression. Master's thesis, Johannes Kepler University Linz, Linz, Austria, 2024. URL <https://epub.jku.at/obvulihs/content/titleinfo/10001240>.

¹e.g. Andreas Mayr, Günter Klambauer

²<https://www.fwf.ac.at/en/>

³<https://www.optadata.at/>

A. Krauck, D. Penz, and M. Schedl. Team JKU-AIWarriors in the ACM Recommender Systems Challenge 2021: Lightweight XGboost Recommendation Approach Leveraging User Features. In *RecSysChallenge '21: Proceedings of the Recommender Systems Challenge 2021*, RecSysChallenge 2021, page 39–43, New York, NY, USA, 2021. Association for Computing Machinery. ISBN 9781450386937. doi: 10.1145/3487572.3487874. URL <https://doi.org/10.1145/3487572.3487874>.