

Leon Beccard

AI Engineer

I recently finished my Master of Science in Data Science at TU Wien, where my thesis reduced hallucinations at the moment they emerge during generation. Before my master I spent two years as a software engineer and project manager, most visibly on Augustina, a payment system for street newspaper vendors covered by Die Zeit, ZDF and ORF. I care about work where we all agree it is necessary for the public good – not just that it is technically excellent.



CONTACT

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Github: <https://github.com/lebe1>

TECHNICAL SKILLS

Languages: Python, Go, Javascript (Vue.js), SQL, Bash

ML & NLP: PyTorch, Transformers, TensorFlow, scikit-learn, NumPy, Pandas

LLM Systems: RAG, LLM evaluation, fine-tuning, inference optimisation, experiment tracking (W&B)

Cloud & DevOps: GCP, Kubernetes, Docker, Terraform, Ansible, Prometheus, Istio, Github Actions, CI/CD

Data & Backend: Apache Spark, Hadoop, Elasticsearch, FastAPI, Django, PostgreSQL

Other: Linux, Git, Agile/Scrum, web scraping (BeautifulSoup, Selenium)

EDUCATION

Master of Science in Data Science | Technical University of Vienna | 2023–2026

GPA: 1.4 (Austrian scale: 1.0 = best, 5.0 = fail) · Graduated June 2026

Exchange semester 2025/2026 at Grenoble INP: Research focus on Cloud Computing

Master Thesis: "Real-time Prevention of Factual Hallucinations in Retrieval-Augmented Generation"

- Developed a custom transformer-based generation method to detect and mitigate factual hallucinations in LLM outputs at inference time
- Fine-tuned a 68M-parameter factual hallucination detector and released as an open model on Hugging Face
- Reduced numeric hallucinations by over 60% at a maximum of 0.7s added latency per output on RAGTruth dataset
- Blogpost: huggingface.co/blog/lebe1/lettuceprevent-blogpost

Bachelor of Science in Computer Engineering | University of Augsburg | 2017–2021

Bachelor's Thesis: "Medical Deep Learning: Comparing State of the Art Model Architectures for Skin Cancer Detection in Dermatoscopic Images"

- GPA: 1.3
- Built CNN model achieving 87% accuracy on skin cancer image classification

Abitur – High school diploma | Schiller Gymnasium, Cologne | 2008–2016

- GPA: 1.8
- Whole exchange year in Michigan, USA fully funded by German Bundestag scholarship 2013/2014

PROFESSIONAL EXPERIENCE

Software Developer & Project Manager | Convive Gesbr, Vienna | 2022–2024

Augustina – cashless payments for street newspapers

- Took a hackathon concept through funding to a live open-source product, now used by several street newspapers mainly in Austria and Germany
- Designed and built the Go backend with the REST API, PostgreSQL schema and the security layer handling payment authorisation
- Co-led a five-person full-stack team from prototype to production
- Tech Stack: Go, PostgreSQL, Docker, Vue.js
- Github: <https://github.com/augustin-wien/augustina-backend>

Web Development & Data Engineering Projects

- Development of data integration and cleansing pipelines
- Web scraping pipelines in Python, Data visualizations and charts
- Customers: MILA, Undok, Global Inequality etc.
- Tech Stack: Python, FastAPI, Django, Vue.js, WordPress API, Docker

DevOps Engineer | Conlance GmbH, Augsburg | 2020

- Maintained tax consultancy SaaS platform used by accounting firms
- Supported to replace an unmaintained Docker Swarm cluster with self-hosted Kubernetes on bare metal, keeping all client data on European infrastructure for GDPR compliance
- Tech Stack: Bash, Ansible, Docker, Kubernetes, Linux

Student Assistant | Lehrstuhl für Produktionsinformatik, Augsburg | 2018–2019

- Conducted research on granulate-based 3D printing technologies
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RECENT PROJECTS

Legal Tech RAG System | Interdisciplinary Project | 2025

- Created a RAG system in Python, Docker, Ollama and Elasticsearch to enable local language models to retrieve legal terms and generate conclusions
- Github: <https://github.com/lebel/simple-scientific-RAG>

Production ML Infrastructure | GCP + Kubernetes | 2026

- Designed and deployed a demo shop split into eleven microservices on GCP using Kubernetes, Terraform, Ansible, Prometheus, and Istio for observability and traffic management | 2025
 - Github: <https://github.com/lebel/Kubernetes-project>
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RECENT AWARDS

Tech Design sprint winner | 2024

- First prize for designing tool to create CVs with AI
- Hackathon organized by CTSi Wien

Hackathon of the Many winner | 2022

- First prize for idea of digitalising street newspapers sale
 - Hackathon funded by Arbeiterkammer Wien
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LANGUAGES & VOLUNTEERING

Languages

- German (Native), English (Fluent – C2), French (Advanced – B2)

Volunteering

- Volunteering as a hiking guide in the Alps at Alpenverein Edelweiss
- Organizing open street dinners for more vibrant neighbourhoods