Max Zeitler

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EDUCATION

Baden-Wuerttemberg Cooperative State University Stuttgart (DHBW) **Stuttgart, Germany**
B.Sc. Business Informatics – Data Science (Current GPA: 1.6, German Scale: 1.0 = best, Top 10%) 10/2023 – 09/2026
- Focus: Machine Learning, Data Science and Data Analysis, Big Data, LLMs, Linear Algebra, Statistics

Karlsruhe Institute of Technology (KIT) **Karlsruhe, Germany**
Guest Student / Pre-Master Studies 04/2025 – 03/2026
- Modules: Innovation Management; Problem Solving, Communication & Leadership

University College Dublin (UCD) **Dublin, Ireland**
Semester Abroad (GPA: 4.07/4.2 Irish Scale, 30 ECTS) 01/2025 – 05/2025
- Modules: Data Science in Python (Master's level), Relational Databases & SQL (Master's level), Linear Algebra II, Management Accounting, Statistics for Economists

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise (HPE) **Stuttgart, Germany**
Rotational dual-study program combining full-time internships at HPE with DHBW coursework. 09/2023 – 09/2026
- **Bachelor's Thesis (upcoming) – AI Excellence Center Central Europe**
  - Quantifying the trade-off between strict AI regulation (EU AI Act, BSI) and system performance in secure on-premise RAG environments using certified hardware for sensitive public sector and critical infrastructure data.
- **AI Solutions – Private Cloud AI (PCAI)**
  - Developed a Python-based LLM benchmarking framework to evaluate HPE's inference software. The analysis compared critical KPIs (e.g., latency) against competitors like Ollama, directly supporting product positioning and future development.
  - Designed Grafana dashboards for AI Engineers to visualize real-time inference metrics, slated for future product integration.
  - Constructed a strategic feature matrix for PCAI that aligns customer needs with user personas and the full model lifecycle.
- **AI Consulting – AI Excellence Center Central Europe**
  - Designed a strategic C-Level presentation on Synthetic Data Generation (e.g., NVIDIA Cosmos) and Digital Twins for robotics. The material was presented at external tech conferences to demonstrate advanced use cases in autonomous systems.
  - Authored a deployment guide and engineered scalable use cases for Digital Twins and World Foundation Models, streamlining complex workflows and accelerating customer Proofs of Concept in HPE's European Performance Center.
  - Authored a scientific paper evaluating Video World Models for synthetic data generation (submitted to AITC26).
  - Conducted a technical deep dive on the Model Context Protocol (MCP), showcasing practical use cases via a live demo.
- **Data & AI Consulting – Worldwide Data Practice**
  - Evaluated leading Data Catalog tools (e.g., Alation, Amundsen) and selected OpenMetadata for a DataOps Proof of Concept.
  - Co-implemented the solution for HPE Discover Las Vegas, showcasing DataOps capabilities to thousands of attendees.
  - Defined a comprehensive requirements catalog for Data Catalog platforms as part of a scientific research paper.
- **Technical Presales – Compute & Services**
  - Conducted a competitive landscape analysis of HPE's PCAI vs. key market competitors and presented strategic differentiators to an audience of 100+ colleagues.
  - Prepared technical demos and actively supported high-profile client meetings (e.g., Deutsche Telekom, BMW, ITDZ Berlin).
  - Programmed the game logic for an internal AI research project "ScrabbleAI" in Python, defining critical backend-UI interfaces.

EXTRACURRICULAR & LEADERSHIP ROLES

University Board Member & Student Representative, DHBW Stuttgart **Stuttgart, Germany**
- Served as an elected representative at both local and central levels, shaping university strategy and curriculum development as a member of the governing body. 10/2025 – 09/2026

DHBW Engineering Stuttgart e.V. (Formula Student Germany) **Stuttgart, Germany**
- Architected a scalable Big Data telemetry platform (Hadoop HDFS, Apache Hudi) for real-time vehicle analysis, enabling the engineering team to optimize car performance. 09/2024 – 12/2025

TTC Finow Eberswalde e.V. (Table Tennis Club) **Eberswalde, Germany**
- Coached and trained youth teams, planning training sessions and tournament participations. 03/2019 – 10/2021

SKILLS & INTERESTS

Languages: German (Native), English (C1), Spanish (Basic), Russian (Basic)
Tech Stack: Pytorch, Python (Scikit-learn, Pandas, NumPy), R, Java, SQL, Docker, Kubernetes, Bash, Hadoop HDFS
Interests: Algorithmic Trading, Applied AI, Custom PC Building, Table Tennis, Motorsport