

# OLE BEHRE

ole [dot] behre [at] yahoo [dot] de | Public CV

## EDUCATION

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### University of Mannheim

Mannheim Master of Data Science, M.Sc.

Mannheim, Germany

Sep 2025 - Feb 2027 (Expected)

- **Selected Courses:** Machine Learning, Deep Learning, Data Integration, Data Mining, Large Scale Data Management

### University of Mannheim

Information Systems (Wirtschaftsinformatik), B.Sc. (Grade: 1.6)

Mannheim, Germany

Sep 2021 - Jan 2025

- **Bachelor Thesis:** Multilingual, Adversarial Math Word Problems: Testing the Robustness of Large Language Models 🤖 | Grade: 1.0
- **Seminar Paper:** Green Business Process Management - Measuring the Sustainability of Business Processes and Opportunities through Process Mining | Grade 1.7
- **Relevant Courses:** Development and Management of Information Systems, Change and Project Management, Data-Driven Analysis, IT-Security, Artificial Intelligence

### St. Raphael Gymnasium

Abitur (Grade: 1.5)

Heidelberg, Germany

Sep 2013 - Jul 2021

## WORK & RESEARCH EXPERIENCE

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### Working Student, Software Engineering

FORRS Partners GmbH

Frankfurt, Germany

Sep 2023 – Dec 2024, Jul 2025 - Ongoing

- Collaborated in a software development team to build a cloud-based market data management system handling diverse datasets for the energy trading industry.
- Enhanced user experience by streamlining interfaces and workflows.
- Improved and optimized multiple API endpoints.
- Created architecture diagrams, technical documentation, and various materials for internal and external use (e.g., marketing, technical specs).
- Currently developing a data framework for efficient processing and integration of heterogeneous energy market data.
- **Languages / Tools:** Python, Java (Vaadin, Quarkus), SQL (PostgreSQL), Docker, Git (GitLab).

### Research Assistant, Data and Web Science Group (DWS)

University of Mannheim

Mannheim, Germany

Jul 2025 – Oct 2025

- Setup and execution of LLM benchmarks on a Linux-based HPC cluster using Slurm for resource scheduling.
- Implementation of custom inference pipelines with vLLM to analyze redundancy patterns in reasoning traces (e.g., Deepseek-R1).
- Experimental evaluation of inference-time interventions; observed and documented stability limitations of Chain-of-Thought (CoT) prompting under constraints.

### Working Student Management Consulting

FORRS Partners GmbH

Frankfurt, Germany

Oct 2023 – Dec 2024

- Supported consultants with projects across the entire energy trading value chain
- Supported with slide creation, data analysis, data visualization, market research and competitor analysis

**Working Student Marketing and Communication**

FORRS Partners GmbH

Munich (Remote), Germany

Mar 2022 – Apr 2024

- Expanded social media presence, increasing engagement and reach across platforms
- Organized and produced a podcast series on Hydrogen and Data Science within the energy industry
- Prepared content for major trade fairs (e.g. E-world)

EXTRACURRICULAR ACTIVITIES

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**Member, STADS e.V.**

Students' Association for Data Analytics & Statistics

Mannheim, Germany

Mar 2023 – Ongoing

- Actively contributed to the IT department for two years, supporting projects such as website maintenance, restructuring, and process automation.

SKILLS

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Languages	German (native), English (fluent   TOEFL iBT 117/120, C2, 2025)
Programming	Python (pandas, numpy, sklearn, matplotlib, transformers, vllm, lm-eval), Linux, Java (advanced), SQL (advanced), HTML, CSS
Technologies & Frameworks	Git (GitLab), Quarkus, Vaadin, Docker, REST APIs
Productivity & Collaboration	MS Office (Word, Excel, PowerPoint, Teams, SharePoint), Jira, Confluence, Canva, Adobe CC (Photoshop, Premiere)