

# Christoph Völtzke

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## EMPLOYMENT HISTORY

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nov 2023 – Present  | <b>Senior Data Science Consultant, Capgemini Invent • Hamburg</b> <ul style="list-style-type: none"><li>• Led and deployed end-to-end cross-functional AI initiatives from PoC to prdocution across multiple industries.</li><li>• Deployed an automotive aftersales GenAI solution, reducing processing time by 75% (20→5 minutes) across 100,000+ executions annually.</li><li>• Implemented data architectures and AI strategies across cross-functional teams.</li></ul> |
| Jul 2022 – Sep 2022 | <b>Internship: Exercise, Training, And Sport Informatics, German Sport University Cologne • Cologne</b> <ul style="list-style-type: none"><li>• Executed a validation study on home advantage using real-world match data.</li><li>• Statistically analysed attendance patterns pre-, during, and post-COVID-19.</li></ul>                                                                                                                                                   |
| Feb 2022 – Jul 2022 | <b>Graduate Research Assistant, Universiteit Utrecht • Utrecht</b> <ul style="list-style-type: none"><li>• Refactored a Bayesian statistics R package to enhance analytical reliability and quality.</li><li>• Designed simulation studies and prepared analytics teaching materials in R and Python.</li></ul>                                                                                                                                                              |
| Apr 2021 – Dec 2021 | <b>Working Student: Research Consultant, Appinio GmbH • Hamburg</b> <ul style="list-style-type: none"><li>• Designed and structured client questionnaires, analyzing large-scale survey datasets.</li><li>• Delivered data-driven market insights to technical and business stakeholders.</li></ul>                                                                                                                                                                          |
| Sep 2019 – Feb 2021 | <b>Intern &amp; Working Student: Consulting, KPMG Germany • Frankfurt</b> <ul style="list-style-type: none"><li>• Developed analytics dashboards for a major energy provider, enabling data-driven, cross-department insights.</li><li>• Delivered decision-ready reports supporting cross-functional stakeholders.</li></ul>                                                                                                                                                |

## EDUCATION

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sep 2021 – Jun 2023 | <b>Methodology &amp; Statistics, M.Sc. , Universiteit Utrecht • Utrecht</b> <ul style="list-style-type: none"><li>• Grade: 8.39/10 (Cum Laude).</li><li>• Specialisations: Machine Learning, Causal Inference, Survey and Experimental Design.</li></ul> |
| Oct 2017 – May 2021 | <b>Psychology, B.Sc., Leuphana Universität Lüneburg • Lüneburg</b> <ul style="list-style-type: none"><li>• Grade: 1.5.</li><li>• Minor &amp; Electives: Business Psychology, Data Science, and Business Administration.</li></ul>                        |

## SKILLS

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|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Languages                   | German (C2) • English (C1) • French (A2)                                                                                                                                                                      |
| Programming & Frameworks    | Python (Expert) • SQL (Experienced) • R (Experienced) • Frontend development (React, Streamlit, Shiny) (Skillful)                                                                                             |
| AI Concepts & Frameworks    | Agentic frameworks (LangGraph, CrewAI) (Expert) • Retrieval-Augmented Generation (Experienced) • Knowledge Graphs (Skillful) • LLM-as-a-Judge (Skillful)                                                      |
| Cloud & MLOps               | AWS (Experienced) • Microsoft Azure (Skillful) • MLOps (Experienced) • Docker (Experienced) • Databricks (Skillful) • Monitoring & Quality (CloudWatch, Datadog, SonarQube) (Experienced) • DevOps (Skillful) |
| Collaboration & Development | Version control (Git, GitLab, Bitbucket) (Experienced) • Data Storytelling (Experienced) • Agile (Scrum) (Experienced)                                                                                        |