
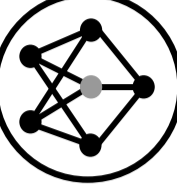




Carolin Holtermann

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RESEARCH INTERESTS

-  Knowledge Representation & Editing
-  Model Interpretability
-  Multilingual and Multicultural AI
-  Ethics in AI

EDUCATION

Ph.D. Candidate in Artificial Intelligence

University of Hamburg - Topic: Strategies for Enhancing the Cultural and Linguistic Capability of Foundation Models Through Interpretability

Hamburg, Germany • 07/2023 - now

Oxford Machine Learning Summer School

Several talks on the latest research in Representation Learning and Generative AI

Oxford, United Kingdom • 07/2024

M. Sc. Data Science

University of Mannheim - GPA: 1,2⁺ (with distinction)
- Thesis Grade: 1,0⁺

Mannheim, Germany • 09/2019 - 08/2021

B. Sc. Business Information Technology - Software Eng.

Cooperative State University Karlsruhe - GPA: 1,4⁺ (ECTS: A^{**})
- Thesis Grade: 1,0⁺

Karlsruhe, Germany • 09/2016 - 09/2019

WORK EXPERIENCE

Research Assistant (University of Hamburg)

AI researcher and TA at the Professorship of Data Science

Hamburg, Germany • 01/2023 - now

Data Science Consultant (Blue Yonder GmbH)

Machine Learning based optimization of the supply chain of large retailers

Hamburg, Germany • 01/2022 - 01/2023

Business Process Consultant (SAP SE)

Technical integration of the customers' cloud solutions

Walldorf, Germany • 10/2019 - 12/2021

Corporate Student (SAP SE)

Several internships in the areas of core development, IoT, consulting and data integration

Walldorf, Germany • 09/2016 - 09/2019

SELECTED PUBLICATIONS

ACL Findings (2024)

“Evaluating the Elementary Multilingual Capabilities of Large Language Models with MultiQ” (Holtermann et al., 2024)

ACL Findings (2024)

“ScaLearn: Simple and Highly Parameter-Efficient Task Transfer by Learning to Scale” (Frohmann, Holtermann, Masoudian, Lauscher, Rekabsaz, 2024)

EACL Findings (2024)

“What the Weight?! A Unified Framework for Zero-Shot Knowledge Composition” (Holtermann et al., 2024)

Association for Computational Linguistics (2022)

“Fair and Argumentative Language Modeling for Computational Argumentation” (Holtermann et al., 2022)

TEACHING ASSISTANCE

Introduction to Data Science	Fall 2023
Text Analysis for Interdisciplinary Research	Fall 2023
Conversational AI	Spring 2024
Ethics in Modern AI	Spring 2024

INVITED TALKS

Weizenbaum Forum (May 2023)

ChatGPT, Stable Diffusion & Co. Technical Introduction into Generative Artificial Intelligence

COMMUNITY SERVICE

ARR Rolling Review (2024 - ongoing)

Volunteer at EACL Conference (2024)

LREC-Coling Review (2024)

Nature Journal Review (2023)

SKILLS

Programming

Python, R, Java, Git, SQL, HTML5/CSS3, XML, JavaScript

Software Tools & Libraries

MLflow, Azure, MapReduce, Pytorch, Huggingface

Language

○ German — Native Language (C2)

○ English — Fluent (C1)

○ French — Basics (A1)

[†]All grades provided are based on the german university grading system ranging from 1 (very good) to 5 (failed).