

Luca Deck

PHD STUDENT · INFORMATION SYSTEMS AND HUMAN-CENTRIC AI

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Education

University of Bayreuth

PHD IN INFORMATION SYSTEMS

Bayreuth, Germany

05/2023–present

Karlsruher Institut für Technologie (KIT)

M.SC. IN INDUSTRIAL ENGINEERING AND MANAGEMENT (1.2, TOP 20%)

Karlsruhe, Germany

10/2019–01/2023

Karlsruher Institut für Technologie (KIT)

B.SC. IN INDUSTRIAL ENGINEERING AND MANAGEMENT (2.1)

Karlsruhe, Germany

10/2015–09/2019

Professional Experience

Fraunhofer Institute for Applied Information Technology FIT

RESEARCH ASSOCIATE

Bayreuth

Since 05/2023

- Project management for research-driven Data Science projects in collaboration with industry partners
- Acquisition and counseling of new industry partners

Sick AG

INTERNSHIP IN STRATEGIC PRODUCT MANAGEMENT

Freiburg i. Br.

09/2021–03/2022

- Developing and testing a variety of computer vision use cases based on deep learning technology

TUP GmbH & Co. KG

INTERNSHIP & WORKING STUDENT IN IT PROJECT MANAGEMENT

Stutensee

03/2018–08/2021

- Assistance in several IT and logistics projects as well as strategic marketing management

Selected Publications

Förster, M., **Deck, L.**, Weidlich, R., Kühl, N. (2025): A Multi-Level Strategy for Deepfake Content Moderation under EU Regulation (WI'25).

Zipperling, D., **Deck, L.**, Lanzl, J., Weidlich, R., Kühl, N. (2025): It's only fair when I think it's fair: How Gender Bias Alignment Undermines Distributive Fairness in Human-AI Collaboration (ACM FAccT'25).

Deck, L., Schomäcker, A., Speith, T., Schöffner, J., Kästner, L., Kühl, N. (2024): Mapping the Potential of Explainable AI for Fairness Along the AI Lifecycle (EWAf'24).

Deck, L., Schoeffler, J., De-Arteaga, M., Kühl, N. 2024. A Critical Survey on Fairness Benefits of XAI. ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT'24).

Selected Other

TEACHING ASSISTANCE

Since 2023 **Applied Artificial Intelligence**, Prof. Niklas Kühl

University of Bayreuth

2023 **Human-AI Collaboration**, Prof. Niklas Kühl

University of Bayreuth

SOCIAL ENGAGEMENT

Since 2021. *Bürgerrat Bildung und Lernen*, Member of the citizens council for education and learning

2021-2023. *Linkit e.V., KIT student group*, Co-head of Training Department for data science education

2021-2023. *Rock Your Life! Karlsruhe, KIT student group*, Mentoring relationship for equal opportunity in education