



FALCO LENTZSCH

CONTACT INFORMATION

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LANGUAGES

German - Native

Englisch - Advanced

SKILLS

Microsoft Office

Docker

Python

Data Science

Git

Pytorch

RAG

Langchain

Tensorflow

SQL

Linux

WORK EXPERIENCE

- **AI Researcher**
German Research Center for Artificial Intelligence (DFKI)
 - Project acquisition and proposal writing for research funding and industry partnerships
 - Sensor data preprocessing and ML pipeline development for classification and regression tasks
 - Training and fine-tuning multimodal LLMs and text-based language models
 - Developing LLM-based pipelines for RAG, data annotation, and automated workflows
 - Audio and video data analysis using large language modelsJuly 2024 – now

- **Student Research Assistant**
Medical Data Science Team, University of Lübeck
 - Internship followed by employment on the ScreenFM research project, funded by the German Federal Ministry of Education and Research (BMBF).
 - Developed an automated screening system for detecting Fidgety Movements as part of the General Movement Assessment procedure.
 - Analyzed RGB-D and Inertial Measurement Unit (IMU) data to develop classifiers for Fidgety Movement detection.Oct 2022 – Dec 2023

- **Registered Nurse**
Various Hospitals, Schleswig-Holstein
 - Patient care on medical and surgical intensive care units at UKSH Campus Lübeck
 - Operated and monitored critical care medical devices including ventilators, infusion pumps, hemodynamic monitoring systems, and dialysis equipment
 - Managed electronic health records and clinical documentation systems for ICU patient dataJun 2016 – Apr 2024

EDUCATION

- **Master's Degree in Medical Computer Science**
University of Lübeck
 - Title: Towards a Robust Detection of Fidgety Movements using RGBD and Inertial Measurement Unit data: Leveraging Deep Learning and Disentanglement TechniquesMarch 2024

- **Bachelor's Degree in Medical Computer Science**
University of Lübeck
 - Title: Using a deep learning system for mobile ear recognitionNov 2020