



FALCO LENTZSCH

CONTACT INFORMATION

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Marquardstraße 5-7, 23554 Lübeck



Research

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 models

July 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 data

Jun 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 Techniques

March 2024

Bachelor's Degree in Medical Computer Science

University of Lübeck

Title: Using a deep learning system for mobile ear recognition

Nov 2020