

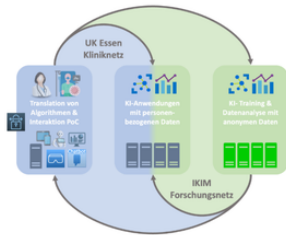


Bachelor-/Master Theses on Machine Learning Operations

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<https://mml.ikim.nrw/>



KITE, part of University Hospital Essen's Smart Hospital transformation, enhances digital capabilities bridging research and clinical care. This setup accelerates algorithm translation to point-of-care, fostering innovation via open-source development for VR/AR, humanoid robots, and infrastructure-as-code solutions. KITE's open interfaces and data models standardize university medical research, promoting collaboration across sites.

Research Topic Directions

AI operation involves the management of computing systems using AI tools. It encompasses the deployment, monitoring, and optimization of AI algorithms within a computational environment. This field focuses on ensuring efficient and effective functioning of AI applications, contributing to advancements in technology and problem-solving capabilities.

Kubernetes FHIR resource integration involves seamlessly incorporating Fast Healthcare Interoperability Resources (FHIR) into Kubernetes clusters. This ensures efficient handling of healthcare data, enabling scalable and flexible solutions for healthcare applications. Kubernetes orchestrates the deployment and management of FHIR resources, enhancing interoperability and facilitating streamlined healthcare information exchange.

Requirements

- Python or C++ programming skills and knowledge of PyTorch are desirable
- First experiences with machine learning
- Virtualisation with Docker & Kubernetes

Contact

If you are interested in a thesis, please feel free to send us your CV and a Transcript of Records. We welcome any interesting ideas and look forward to publication of your work.

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