PIET BRÖMMEL
Curriculum Vitae

Personal Information

- 🏠 40223 Düsseldorf
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- 🌐 piebro.github.io
- ★ Generative Art, Open Data, Hiking, Table tennis

Work Experience

Data Scientist   11/2022–11/2024
Fraunhofer IML, Dortmund

- › Developed an end-to-end AI pipeline for training and deploying state-of-the-art computer vision models, optimizing the model development lifecycle
- › Implemented deep learning-based computer vision models on edge AI hardware for real-time inference in hospital environments

Student Research Assistant   03/2020–11/2022
Fraunhofer IML, Dortmund

- › Efficient structuring and storage of large datasets for quick access and analysis
- › Development of an AI system for precise determination of robot positions in their

Software Developer Internship   02/2019–07/2019
Instana, Solingen

- › Development of server software for processing and storing data
- › Creation of tools for monitoring and analyzing website performance

Education

Master of Computer Science   10/2019–09/2022
TU Dortmund (GPA: 1.8)

- › Thesis: On-device robot localization based on representation learning

Bachelor of Applied Science (Mathematics and Computer Science) 10/2014–03/2019
Bergische Universität Wuppertal (GPA: 1.9)

- › Thesis: Modeling natural images with deep neural networks

Skills

Languages: German (native), English (fluent)
Data Science: Statistical Analysis, Data Visualization, Data Collection and Curation
AI: Generative AI, Computer Vision, Document Understanding, LLM
Programming: Python, SQL, JavaScript, Dask, Pandas, TensorFlow, PyTorch, JAX
Tools & Platforms: Huggingface, Jupyter Notebook, Docker, MLFlow, GCP
Mathematics: Statistics, Optimization, Linear Algebra, Calculus