Sebastian Wefers

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Contact Details

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Skill Highlights

- **Data Analytics**
- **Predictive Modeling**
- **XAI**
- **Bayesian Optimization**
- **Data Engineering**
- **MLOps**
- **Communication Skills**
- **Story Telling with Data**
- **Team Player**

Tech Stack

- **Python, R, SQL**
- **Machine Learning:**
  Scikit-Learn, XGBoost, LightGBM
- **Deep Learning:**
  Pytorch, Huggingface toolings, Tensorflow, Keras
- **Hadoop & Spark**
- **GitHub, Git**
- **Docker**
- **Kubeflow**
- **GCP, Infrastructure as Code**

Languages

German – native speaker
English – fluent (C2)

Data Scientist *specializing in AI and data analytics, with expertise in end-to-end data pipelines from acquisition to deployment and monitoring. Passionate about* *“Doing cool stuff with data that benefits society”* *and actively engaged in publishing research to contribute to the data science community.*

Work Experience (most relevant)

- **SAP SE, St. Leon Rot**
  - **Oct 2023 – Sept 2024:** Working student position at *ALM SE*, where the main task was about data management and automating manual data ingestion processes.
  - **Oct – Dez 2024:** Bachelor thesis at *CXS AI & Data Lake*;
    Topic: “Evaluating Retrieval Augmented Generation Systems”
- **EDEKA – Oct 2022**
  Approximate site performance to recommend new sites. Presented at EDEKA headquarters.

Education (most relevant)

Bachelor of Science in Data Science Ø 1.6 - XU University, Potsdam, GER, 2021-2024

Certifications

- **Data Engineering Zoomcamp:**
  https://github.com/DataTalksClub/data-engineering-zoomcamp
- **MLOps Zoomcamp:**
  https://github.com/DataTalksClub/mlops-zoomcamp
- **Workforce Recruitment Course & Hackathon of Company Crystal:**
  2nd place out of 80 participants, which lead to a job interview.
- **Microsoft Launch Metrics Challenge:**
  Predicting TikTok post-performance a. content strategy analysis.

Published Papers

Google scholar: https://scholar.google.com/citations?hl=en&user=FjBQDGUAAAAJ

Pending Publications

- **“Exploring the Impact of Model Size on Sentence Similarity Performance in Sentence Transformers.”** (submitted at ICOIN)
- **“Vision Transformers with Kolmogorov-Arnold Fourier Embeddings for Coral Bleaching Classification on Limited Data.”** (submitted at IEEE Access)
- **“Digital Footprints of Substance Use: Decoding Offline Behaviors from Writing Patterns Online.”** (work in progress)
- **“A Multimodal Approach for TwitterBot Detection: Fusing Text and Graph Representations”** (work in progress)

Experience Abroad

- **New Zealand (2016-2018):**
  Traveling, Working, Internship, University of Otago – 1st Semester BSc Marine Science
- **Netherlands (2019-2020):**
  TUe Eindhoven x TiU Tilburg – 1st Semester BSc Data Science
- **Malaysia, Kuala Lumpur (2022):**
  Semester Abroad at Asia Pacific University of Technology