



Raphael Fischer

Researcher & PhD student

Contact

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Personal Info

Born October 10, 1994 in Bochum
Nationality: Germany
Marital Status: Single

Dortmund, November 29, 2024

Raphael Fischer



Work Experience

02/2022 –
Today

Research associate (part time)

Wilo SE (Dortmund)

- Strategic partnership for transferring research into industrial manufacturing

05/2019 –
Today

Research associate

Lamarr Institute for Machine Learning
Artificial Intelligence (Dortmund)

- Research on Sustainability of ML & AI
- Over 10 peer-reviewed publications

07/2016 –
08/2018

Working student

Capgemini (Düsseldorf) & Qiagen (Hilden)

- Developing DNA Sequencing Software



Education

05/2019 –
Today

PhD in Computer Science

TU Dortmund University

- Research on Sustainability of ML & AI
- International coordination of the Department of Computer Science

10/2016 –
03/2019

Master Computer Science

TU Dortmund University

- Final grade 1,2 (ECTS B, with honors)
- Research visit at Monash University 09/2018-03/2019 (for Master's thesis)

10/2013 –
09/2016

Bachelor Computer Science

TU Dortmund University

- Final grade 2,4 (ECTS C)
- Minor in Spatial Planning

06/2004 –
08/2013

Hellweg-Gymnasium, Bochum

- Bilingual Abitur with final grade 1.0 (A)



Skills & Knowledge

Language

German and English

(fluent in written and spoken)

Coding &
Libraries

Python, C++, R, Java, Scikit-Learn,
TensorFlow, PyTorch, OpenCV, Git

Software &
Frameworks

Microsoft Office & Azure, Adobe CC
(Photoshop, Illustrator, Premiere, AE)

Other

International Coordination, DJing, Event
Management, Video Production



Selected Publications

R. Fischer, T. Liebig, and K. Morik: "[Towards More Sustainable and Trustworthy Reporting in Machine Learning](#)", Data Mining and Knowledge Discovery, 2024.

R. Fischer and A. Saadallah: "[AutoXPCR: Automated Multi-Objective Model Selection for Time Series Forecasting](#)", Conference on Knowledge Discovery and Data Mining (KDD), 2024.

R. Fischer, M. Wever, S. Buschjäger and T. Liebig: "[MetaQuRe: Meta-learning from Model Quality and Resource Consumption](#)", European Conference on Machine Learning and Knowledge Discovery in Databases (ECML PKDD), 2024.