Ferdinand Schlatt

Curriculum Vitae

Qualifications

2020–Present **PhD Student**, *Friedrich-Schiller-Universität Jena*
Supervision by Prof. Dr. Matthias Hagen

2017–2020 **Master of Science**, *Bielefeld University*, *Grade – 1.1*
Intelligent Systems

2014–2017 **Bachelor of Science**, *Osnabrück University*, *Grade – 1.7*
Cognitive Science

Employment History

2022–Present **Researcher**, *Friedrich-Schiller Universtiät Jena*, Jena
Improving the efficiency and effectiveness of transformer-based language models for document ranking and retrieval [2].

2021–2022 **Researcher**, *Martin-Luther-University Halle–Wittenberg*, Halle
Investigating the extraction of health-related information from biomedical publications and web pages with a particular focus on causal information [1].

2020 **Machine Learning Engineer**, *Prof. Dr. Dieter Bettin*, Papenburg
Development of pipeline for extracting, evaluating, and aggregating evidence quality of biomedical publications to advance the automation of systematic reviews.

2019–2020 **Machine Learning Engineer**, *matchmetrics GmbH*, Bielefeld
Development of models for the prediction of soccer player performance across different seasons and leagues.

2018–2019 **Student Assistant**, *Bielefeld University (Technical Faculty)*, Bielefeld
Tutor for Introduction to Data Mining. Supervision of weekly exercises and lecture support.

2018–2019 **Student Assistant**, *CITEC (CEEGE Project, Prof. Schack)*, Bielefeld
Support for eye-tracking chess study. Development of API and analysis algorithms for combining data from an electronic chess board and eye tracker.

Publications

[1] Ferdinand Schlatt, Dieter Bettin, Matthias Hagen, Benno Stein, and Martin Potthast. Mining Health-related Cause-Effect Statements with High Precision at Large Scale. In *Proceedings of the 29th International Conference on Computational Linguistics (COLING 2022)*. Association for Computational Linguistics, October 2022.

[2] Ferdinand Schlatt, Maik Fröbe, and Matthias Hagen. Investigating the Effects of Sparse Attention on Cross-Encoders. In *Advances in Information Retrieval. 46th European Conference on IR Research (ECIR 2024)*, Lecture Notes in Computer Science. Springer, March 2024.

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