

Fabian David Schmidt

fabian.david.schmidt@gmail.com ◊ Würzburg, Germany

◊ [Homepage](#) ◊ [LinkedIn](#) ◊ [Github](#) ◊ [Google Scholar](#)

RESEARCH INTERESTS

Multilingual & Multimodal Representation Learning, Robust & Reproducible Cross-lingual Transfer, Few-Shot Learning

EDUCATION

PhD in Computer Science, *University of Würzburg* 2021 - 2024

Advisors: [Goran Glavaš](#) (University of Würzburg), [Ivan Vulić](#) (University of Cambridge)

Mannheim Master of Data Science (with honors), *University of Mannheim* 2017 - 2020

Grade: 1.4* (ECTS grade A; equivalent to UK First Class Honours)

Bachelor of Finance, *Frankfurt School of Finance & Management* 2012 - 2016

Grade: 1.4* (89%, top 10% of class)

* On a scale of 1.0 to 5.0 with 1.0 being the best possible grade

SELECTED PUBLICATIONS

- [1] **Fabian David Schmidt**, Ivan Vulić, Goran Glavaš. [One For All & All For One: Bypassing Hyperparameter Tuning with Model Averaging for Cross-Lingual Transfer](#), *Findings of EMNLP*, 2023
- [2] **Fabian David Schmidt**, Ivan Vulić, Goran Glavaš. [Free Lunch: Robust Cross-Lingual Transfer via Model Checkpoint Averaging](#), *Proceedings of ACL*, 2023
- [3] **Fabian David Schmidt**, Ivan Vulić, Goran Glavaš. [Don't Stop Fine-Tuning: On Training Regimes for Few-Shot Cross-Lingual Transfer with Multilingual Language Models](#), *Proceedings of EMNLP*, 2022
- [4] **Fabian David Schmidt**, Ivan Vulić, Goran Glavaš. [SLICER: Sliced Fine-Tuning for Low-Resource Cross-Lingual Transfer for Named Entity Recognition](#), *Proceedings of EMNLP*, 2022
- [5] **Fabian David Schmidt**, Markus Dietsche, Simone Ponzetto, Goran Glavaš. [SEAGLE: A Platform for Comparative Evaluation of Semantic Encoders for Information Retrieval](#), *System Demonstrations of EMNLP*, 2019

PROFESSIONAL EXPERIENCE

Incoming Visiting Scholar, *University of Cambridge* Cambridge (UK), May - June 2024

Research on multilingual representation learning (host: [Ivan Vulić](#))

NLP Research Intern, *NEC Laboratories Europe* Heidelberg (DE), Jan - May 2024

Pixel-based open-vocabulary autoregressive language modelling (hosts: [Chia-Chien Hung](#) & [Carolyn Lawrence](#))

Machine Learning Engineer Intern, *Friday Versicherung* Berlin (DE), Jan - April 2019

Reverse-engineered pricing of car insurers with boosted decision trees regression on millions of driver profiles

Data wrangling in pandas; time series regression with LightGBM, S3 integration with boto3

Private Equity Analyst Intern, *Goldman Sachs Group* London (UK), Sep 2016 - Feb 2017

Evaluated opportunities to invest in European mid- to large-sized consumer retail, fintech and industrials companies

Attending management meetings, conducting expert interviews, and reviewing due diligence documents

Dual Student, *DZ BANK AG* London (UK), Aug 2012 - Sep 2015

Integrated study program completing 6-8 weeks full-time rotations per Bachelor semester across several divisions of DZ BANK AG

INVITED TALK

University of Saarland, Sep 2023 [Robust and Scalable Cross-Lingual Transfer](#)

SERVICE & ACTIVITIES

Reviewing ARR, ACL, EMNLP, MOOMIN @ EACL

Teaching Assistance Multilingual NLP, Algorithms & Data Structures, Information Retrieval

Open Source (co-)maintainer of popular Neovim plugins (e.g., [telescope.nvim](#)) with 100-10K Github stars

SKILLS

Programming excellent proficiency in Python, Lua, Linux CLI, good familiarity with Rust, Bash, Git, HPC with Slurm

ML Frameworks excellent proficiency in PyTorch(-Lightning), Huggingface transformers, Hydra, wandb

Languages German (native) & English (native-level, TOEFL 113/120)