

Fabian David Schmidt

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

EDUCATION

PhD in Computer Science , <i>University of Würzburg</i>	01/2021 - 12/2024
Advisors: Goran Glavaš (University of Würzburg), Ivan Vulić (University of Cambridge)	
Visiting PhD Researcher , <i>University of Cambridge</i>	05/2024 - 06/2024
Under Review: Self-Distillation for Model Stacking Unlocks Cross-Lingual NLU in 200+ Languages (host: Ivan Vulić)	
Mannheim Master of Data Science (with honors) , <i>University of Mannheim</i>	09/2017 - 08/2020
Grade: 1.4* (ECTS grade A; equivalent to UK First Class Honours)	
Bachelor of Finance , <i>Frankfurt School of Finance & Management</i>	08/2012 - 02/2016
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

NLP Research Intern , <i>Mila - Quebec AI Institute</i>	Montréal (CA), 09/2024 - 12/2024
Massively multilingual adaptation of causal language models (host: David Ifeoluwa Adelani)	
NLP Research Intern , <i>NEC Laboratories Europe</i>	Heidelberg (DE), 01/2024 - 05/2024
Pixel-based open-vocabulary autoregressive language modelling (hosts: Chia-Chien Hung & Carolyn Lawrence)	
Machine Learning Engineer Intern , <i>Friday Versicherung</i>	Berlin (DE), 01/2019 - 04/2019
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 , <i>Goldman Sachs Group</i>	London (UK), 09/2016 - 02/2017
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	

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 100-10'000 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)

RESEARCH INTERESTS

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