

Jannik Wolff

✉ | 🏠 jannikwolff.github.io/ | 📄 JannikWolff | 🌐 jannik-wolff | 🎓 Google Scholar Profile

Experience

Berlin Institute for the Foundations of Learning and Data (BIFOLD), Research Associate

Berlin, DE

- Research on multimodal generative models. Advisors: [Prof. K. Müller](#), [S. Nakajima](#)

Jan 2022 - Present

SAP AI Research, Working Student

Berlin, DE

- Research on multimodal generative models. Advisors: [R. Krishnan](#) (MIT), [M. Nabi](#) (SAP), [T. Klein](#) (SAP)

May 2018 - Aug. 2020

Volkswagen Group, Intern

Wolfsburg, DE

- Development of information-processing system for worldwide financial planning

May 2015 - Oct. 2015

Education

Technical University of Berlin

Berlin, DE

PH.D. COMPUTER SCIENCE

2016 - 2024

- The thesis contains research conducted at SAP, TUB, and BIFOLD. Supervision: [Prof. K. Müller](#)

M.SC. INFORMATION SYSTEMS MANAGEMENT · GPA: 1.2 · SECOND-BEST IN CLASS

- Thesis: "[Heterogeneity in Multimodal Generative Models](#)" supervised by [Prof. K. Müller](#) and [L. Ruff](#)
- Semester abroad at Jiao Tong University, Shanghai, China (2016-2017)

Technical University of Braunschweig

Braunschweig, DE

B.SC. INDUSTRIAL ENGINEERING · GPA: 1.9 ON 1-5 SCALE WHERE 1 IS BEST

2011 - 2016

- Thesis: "[Vehicle Routing with Interval Travel Times](#)" supervised by [Prof. Mattfeld](#)

Selected Papers and Patents

Hierarchical multimodal variational autoencoders

In Submission

J. WOLFF, R. KRISHNAN, L. RUFF, J. MORSHUIS, T. KLEIN, S. NAKAJIMA*, M. NABI* (*EQUAL CONTRIBUTION)

2023

[\[Paper\]](#) [\[Talk\]](#) [\[Slides\]](#)

Mixture-of-experts VAEs can disregard variation in surjective multimodal data

NeurIPS|BDL Workshop

J. WOLFF, T. KLEIN, M. NABI, R. KRISHNAN, S. NAKAJIMA

2021

[\[Paper\]](#)

Learning graph-based priors for generalized zero-shot learning

US Patent; AAAI|DLGMA

C. SAMPLAWSKI, J. WOLFF, T. KLEIN, M. NABI

2020

[\[Patent\]](#) [\[Paper\]](#)

Low-shot learning from imaginary 3D model

WACV

F. PAHDE, M. PUSCAS, J. WOLFF, T. KLEIN, N. SEBE, M. NABI

2019

[\[Paper\]](#)

Learning to optimise: using Bayesian deep learning for transfer learning in optimisation

NeurIPS|BDL Workshop

J. LANGHABEL*, J. WOLFF*, R. HOLCA-LAMARRE (*EQUAL CONTRIBUTION)

2016

[\[Paper\]](#) [\[Code\]](#)

Selected Projects

Deep emotion recognition on self-collected EEG and eye-tracking data

Shanghai Jiao Tong University

[\[REPORT\]](#) SUPERVISION: [PROF. BAO-LIANG LU](#)

2016-2017

Miscellaneous

Scientific reviewing [ICML 2022](#), [NeurIPS 2022](#), [ICML 2023](#)

Languages German (native), English (fluent)

Python Python (PyTorch, Matplotlib, pytest, WandB (MLOps))

Software Linux, Git, GitHub Actions (CI), Apptainer (container), Univa Grid Engine (HPC job scheduler), AWS EC2

Jupyter Notebook, PyCharm Professional, LaTeX