

Robin Schaefer

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🐙 RobinSchaefer

Education

- 2019 – today 📖 **Ph.D. Computational Linguistics.** University of Potsdam.
Advisor: Prof. Dr. Manfred Stede
- 2015 – 2018 📖 **M.Sc. Experimental and Clinical Linguistics (IECL).** University of Potsdam.
Advisor: Prof. Dr. Titus von der Malsburg
- 2011 – 2015 📖 **B.A. Linguistics.** Johannes Gutenberg-University Mainz.
Minor: French
Advisor: Dr. Franziska Kretzschmar

Professional Experience

- 2024 – today 📖 **Data Scientist - Innovation Developer.**
Bundesdruckerei GmbH.
- 2020 – 2024 📖 **Research Assistant & Teaching Assistant.**
Linguistics Department, University of Potsdam.
- 2019 – 2021 📖 **Research Assistant/Software Developer.**
State Library Berlin.
- 2017 – 2020 📖 **Student Assistant (Applied CL Discourse Research Lab).**
Linguistics Department, University of Potsdam.
- 2018 – 2019 📖 **Software Developer.**
Debatoo.
- 2016 – 2018 📖 **Intern (Vasishth Lab).**
Linguistics Department, University of Potsdam.
- 2016 – 2017 📖 **Student Assistant (NOLA Lab).**
Linguistics Department, University of Potsdam.
- 2014 – 2015 📖 **Student Assistant (Neurolinguistics Lab).**
Department of English and Linguistics, Johannes Gutenberg-University Mainz.

Research Publications

Journal Articles

- 1 R. Schaefer, “Building an argument mining pipeline for tweets,” *Online Handbook of Argumentation for AI*, vol. 2, pp. 52–56, 2021.
- 2 R. Schaefer and M. Stede, “Argument mining on twitter: A survey,” *it - Information Technology*, vol. 63, no. 1, pp. 45–58, 2021.

Conference Proceedings

- 1 R. Schaefer, C. Abels, S. Lewandowsky, and M. Stede, “Communicating climate change: A comparison between tweets and speeches by German members of parliament,” in *Proceedings of the 13th Workshop on Computational Approaches to Subjectivity, Sentiment, & Social Media Analysis*, Toronto, Canada: Association for Computational Linguistics, Jul. 2023, pp. 479–496.

- 2 R. Schaefer, R. Knaebel, and M. Stede, "Towards fine-grained argumentation strategy analysis in persuasive essays," in *Proceedings of the 10th Workshop on Argument Mining*, M. Alshomary, C.-C. Chen, S. Muresan, J. Park, and J. Romberg, Eds., Singapore: Association for Computational Linguistics, Dec. 2023, pp. 76–88.
- 3 R. Schaefer, R. Knaebel, and M. Stede, "On selecting training corpora for cross-domain claim detection," in *Proceedings of the 9th Workshop on Argument Mining*, Online and in Gyeongju, Republic of Korea: International Conference on Computational Linguistics, Oct. 2022, pp. 181–186.
- 4 R. Schaefer and M. Stede, "GerCCT: An annotated corpus for mining arguments in German tweets on climate change," in *Proceedings of the Thirteenth Language Resources and Evaluation Conference*, Marseille, France: European Language Resources Association, Jun. 2022, pp. 6121–6130.
- 5 M. Skeppstedt and R. Schaefer, "A snapshot of climate change arguments: Searching for recurring themes in tweets on climate change," in *CLARIN Annual Conference Proceedings 2022* :, 2022.
- 6 R. Agarwal, A. Koniaev, and R. Schaefer, "Exploring argument retrieval for controversial questions using retrieve and re-rank pipelines," in *Proceedings of the Working Notes of CLEF 2021 - Conference and Labs of the Evaluation Forum, Bucharest, Romania, September 21st - to - 24th, 2021*, G. Faggioli, N. Ferro, A. Joly, M. Maistro, and F. Piroi, Eds., ser. CEUR Workshop Proceedings, vol. 2936, CEUR-WS.org, 2021, pp. 2285–2291.
- 7 N. Iskender, R. Schaefer, T. Polzehl, and S. Möller, "Argument mining in tweets: Comparing crowd and expert annotations for automated claim and evidence detection," in *Natural Language Processing and Information Systems*, E. Métais, F. Mezziane, H. Horacek, and E. Kapetanios, Eds., Cham: Springer International Publishing, 2021, pp. 275–288.
- 8 R. Schaefer and M. Stede, "UPAppliedCL at GermEval 2021: Identifying fact-claiming and engaging Facebook comments using transformers," in *Proceedings of the GermEval 2021 Shared Task on the Identification of Toxic, Engaging, and Fact-Claiming Comments*, Duesseldorf, Germany: Association for Computational Linguistics, Sep. 2021, pp. 13–18.
- 9 G. Rehm, P. Bourgonje, S. Hegele, et al., "Qurator: Innovative technologies for content and data curation," in *Proceedings of the Conference on Digital Curation Technologies*, Jan. 2020.
- 10 R. Schaefer and C. Neudecker, "A two-step approach for automatic OCR post-correction," in *Proceedings of the The 4th Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature*, Online: International Committee on Computational Linguistics, Dec. 2020, pp. 52–57.
- 11 R. Schaefer and M. Stede, "Annotation and detection of arguments in tweets," in *Proceedings of the 7th Workshop on Argument Mining*, Online: Association for Computational Linguistics, Dec. 2020, pp. 53–58.
- 12 P. Bourgonje and R. Schäfer, "Multi-lingual and cross-genre discourse unit segmentation," in *Proceedings of the Workshop on Discourse Relation Parsing and Treebanking 2019*, Minneapolis, MN: Association for Computational Linguistics, Jun. 2019, pp. 105–114.
- 13 R. Schaefer and M. Stede, "Improving implicit stance classification in tweets using word and sentence embeddings," in *KI 2019: Advances in Artificial Intelligence*, C. Benz Müller and H. Stuckenschmidt, Eds., Cham: Springer International Publishing, 2019, pp. 299–307.

Conference Presentations

- 1 R. Schaefer, S. Lago, and T. von der Malsburg, "ERP evidence of object agreement attraction in comprehension," 32th Annual CUNY Conference on Human Sentence Processing, Boulder, CO, USA, 2019.
- 2 R. Schaefer, S. Lago, and T. von der Malsburg, "Agreement attraction in German SOV structures: An ERP study," 24th Architectures and Mechanisms for Language Processing Conference (AMLaP), Berlin, Germany, 2018.

Teaching

Winter Term 2023/24	Argument Mining.
Summer Term 2023	Praktische Ansätze zur Stance Detection.
Winter Term 2022/23	Argument Mining.
Summer Term 2022	Stance Detection.
Winter Term 2021/22	Argument Mining.
Summer Term 2021	Stance Detection.
Winter Term 2020/21	Automatisierte Argumentationsanalyse in den sozialen Medien.

Supervision

2023	Neele Charlotte Kinkel. Individual Research Module.
2022	Andrei Koniaev. Individual Research Module.
2021	Stefan Alsdorf. Bachelor Thesis.
2020	Annalena Kohnert. Bachelor Thesis.

Skills

Languages	German (native), English (fluent), French (intermediate)
Coding	Python (NumPy, Pandas, Matplotlib, scikit-learn, PyTorch, TensorFlow, HuggingFace, etc.), R, SQL, XML, \LaTeX
Databases	MySQL, SQLite, Elasticsearch.
Web Dev	HTML, CSS.
Annotation Tools	INCEpTION, Label Studio.
Misc.	Academic research & teaching.

Certificates


2020	Intro to Machine Learning with PyTorch Nanodegree. Udacity.
2019	Language Technology in the Digital Humanities. University of Zurich; Coursera. AI For Everyone. deeplearning; Udacity.
2018	Docker Mastery: The Complete Toolset From a Docker Captain. Udemy. Data Analyst Nanodegree. Udacity.
2017	Using Python to Access Web Data. University of Michigan; Coursera.
2016	Python Data Structures. University of Michigan; Coursera. Python for Everybody (Getting Started with Python). University of Michigan; Coursera.

Academic Service


Reviewing

2024	Linguistic Annotation Workshop (LAW).
2023	Workshop on Argument Mining (ArgMining). Online Handbook of Argumentation for AI (OHAAI).
2022	Konferenz zur Verarbeitung natürlicher Sprache (KONVENS). Online Handbook of Argumentation for AI (OHAAI).



Academic Service (continued)

2021  it - Information Technology.

Organizing Committee

2022  Konferenz zur Verarbeitung natürlicher Sprache (KONVENS).

Professional Memberships

-  Deutsche Gesellschaft für Sprachwissenschaft (DGfS).
-  Gesellschaft für Sprachtechnologie und Computerlinguistik (GSCL).