# Robin Schaefer

♂ he/him
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⬛ RobinSchaefer

## Education

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

## Professional Experience

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| 2020 – today | 🔖 | **Research Assistant & Teaching Assistant.**<br>Linguistics Department, University of Potsdam. |
| 2019 – 2021 | 🔖 | **Research Assistant/Software Developer.**<br>State Library Berlin. |
| 2017 – 2020 | 🔖 | **Student Assistant (Applied CL Discourse Research Lab).**<br>Linguistics Department, University of Potsdam. |
| 2018 – 2019 | 🔖 | **Software Developer.**<br>Debatoo. |
| 2016 – 2018 | 🔖 | **Intern (Vasishth Lab).**<br>Linguistics Department, University of Potsdam. |
| 2016 – 2017 | 🔖 | **Student Assistant (NOLA Lab).**<br>Linguistics Department, University of Potsdam. |
| 2014 – 2015 | 🔖 | **Student Assistant (Neurolinguistics Lab).**<br>Deptartment 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, "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.

**3** 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.

**4** 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.

**5** 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.

**6** 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. Meziane, H. Horacek, and E. Kapetanios, Eds., Cham: Springer International Publishing, 2021, pp. 275–288.

**7** 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.

**8** 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.

**9** 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.

**10** 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.

**11** 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.

**12** R. Schaefer and M. Stede, "Improving implicit stance classification in tweets using word and sentence embeddings," in *KI 2019: Advances in Artificial Intelligence*, C. Benzmüller 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. |

## Teaching (continued)

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| 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

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

## Skills

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| 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

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| 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

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| 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). |
| 2021 | 🔖 | it - Information Technology. |

# Academic Service (continued)

## Organizing Committee

2022    Konferenz zur Verarbeitung natürlicher Sprache (KONVENS).

## Professional Memberships

Deutsche Gesellschaft für Sprachwissenschaft (DGfS).

Gesellschaft für Sprachtechnologie und Computerlinguistik (GSCL).