Iuliia Zaitova

PhD Student at Universität des Saarlandes

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Areas of specialisation

Machine Learning, Speech Recognition, Language Intercomprehension, Closely-Related Languages

Work experience

2022-present	**PhD Student** at Universität des Saarlandes (project C4 in SFB 1102) - Advisors: Prof. Dr. Tania Avgustinova, Prof. Dr. Dietrich Klakow, Prof. Dr. Bernd Möbius - Modelling of intelligibility between closely related languages
2021-2022	**Research Assistant** (computational model development), Language Technology and Mulilinguality Lab (Talking Robots Group) at DFKI
2020-2022	**Research Assistant** (computational model development), the Spoken Language Systems (LSV)
2019-2020	**Research Assistant** (software development), the Chair in Business Administration, especially Information and Service Systems
2016-2019	**Translator** (English > Russian), Amara

Publications

2022	**"Mapping Phonology to Semantics: A Computational Model of Cross-Lingual Spoken-Word Recognition"** Authors: Iuliia Zaitova, Badr M. Abdullah, and Dietrich Klakow *VarDial 2022*
2021	**"Do Acoustic Word Embeddings Capture Phonological Similarity? An Empirical Study"** Authors: Badr M. Abdullah, Marius Mosbach, Iuliia Zaitova, Bernd Möbius and Dietrich Klakow *Interspeech 2021* Contributed to the submission by preparing the speech dataset
2020	**Summer School: Virtual SemDial 24 (WatchDial).** *Hosted virtually by Brandeis University, USA*
2020	**Conference Presentation: "Analyzing and Comparing Speech Disfluency Patterns in Non-Native Dialogue: A Case Study" Advisor: Postdoctoral Researcher Donatelli L.** *Student Session at WeSSLLI (Web Summer School for Logic, Language, and Information). Hosted virtually by Brandeis University, USA*

Talks

2023	

"Microsyntactic Unit Analysis using Word Embedding Models: Experiments on Slavic Languages" - TaCoS Conference

Volunteer experience

2023   **PhD Representative** at SFB 1102 at Universität des Saarlandes
2020   **Linguistic corpus annotator** (Russian), OpenCorpora
2016-2017   **Translator (English-Russian)**, TED Open Translation Project
2017   **Interpreter (English-Russian)**, World Festival of Youth and Students

Additional experience

2019   **Au Pair in Germany, Essen**
2017   **Work & Travel in the USA, Baltimore, Maryland**

Education

2019-2022   **MSc in Language Science and Technology, Universität des Saarlandes**
Master's thesis "Modeling Mutual Spoken Word Intelligibility between Slavic languages" Advisors: Abdullah B., Klakow D.

2014-2018   **BA with Honours in Linguistics and Translation, Udmurt State University**
Bachelor's thesis "Summary translation in the media: strategies, trends, problems (based on gist translations of newspaper articles on 2018 Russian presidential election)" Advisor: Ryabkova I.

Skills

Technical Skills

Python (PyTorch, transformers, NLTK, numpy, GENSIM, CoreNLP, SciPy, Bokeh, pandas, sklearn), Kaldi, R (Intermediate), JavaScript (basic), SQL (basic)

Languages

Russian (native), English (fluent, 113/120 TOEFL), German (B2)

Last updated: June 5, 2023