Iuliia Zaitova

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GitHub · Google Scholar · Semantic Scholar · LinkedIn

Research Interests

Natural Language Processing, Machine Learning, Language Typology, Representation Learning

Education

2022-present	**Universität des Saarlandes**
	PʜD in Computational Linguistics in SFB 1102, project C4
	Advisors: Prof. Dr. Tania Avgustinova, Prof. Dr. Dietrich Klakow, Prof. Dr. Bernd Möbius
	Thesis: Non-Compositionality in Cross-Linguistic Intercomprehension
2019-2022	**Universität des Saarlandes**
	MSc in Language Science and Technology
	Advisors: Badr M. Abdullah, Prof. Dr. Dietrich Klakow
	Thesis: Modeling Mutual Spoken Word Intelligibility between Slavic languages
2014-2018	**Udmurt State University**
	BA with Honours in Linguistics and Translation
	Advisor: Dr. Irina Ryabkova
	Thesis: Summary translation in the media: strategies, trends, problems

Skills and Qualifications

Programming Languages: Python, R, SQL
NLP and ML frameworks: PyTorch, Transformers, NLTK, spaCy, Gensim, Stanford NLP
Tools: Git, VSCode, bash, LaTeX etc.
Natural Languages: Russian (native), English (C1, 113/120 TOEFL), German (B2), Udmurt (A2)

Teaching

2023	**Basic Tools for NLP** – course encompassing Unix systems, Bash, Vim, Git, Python, cluster computing, LaTeX, etc. tailored for students with non-technical background

Work experience

2021-2022	**Language Technology and Mulilinguality Lab** at DFKI
	student research assistant
2020-2022	**Spoken Language Systems (LSV)** at Universität des Saarlandes
	student research assistant
2019-2020	**Information and Service Systems** at Universität des Saarlandes

student research assistant

2016-2019 **Amara**
translator (English > Russian)

Publications

2023 **"Microsyntactic Unit Detection using Word Embedding Models: Experiments on Slavic Languages"** Iuliia Zaitova, Irina Stenger, and Tania Avgustinova *RANLP 2023 (In Press)*

2022 **"Mapping Phonology to Semantics: A Computational Model of Cross-Lingual Spoken-Word Recognition"** Iuliia Zaitova, Badr M. Abdullah, and Dietrich Klakow *VarDial 2022*

2021 **"How familiar does that sound? Cross-lingual representational similarity analysis of acoustic word embeddings"** Badr M. Abdullah, Iuliia Zaitova, Tania Avgustinova, Bernd Möbius, Dietrich Klakow *BlackboxNLP 2021*

2021 **"Do Acoustic Word Embeddings Capture Phonological Similarity? An Empirical Study"** Badr M. Abdullah, Marius Mosbach, Iuliia Zaitova, Bernd Möbius and Dietrich Klakow *Interspeech 2021*

Talks and Posters

2023 **Conference Presentation: "Microsyntactic Unit Analysis using Word Embedding Models: Experiments on Slavic Languages"** - TaCoS Conference

2023 **"Poster presentation: Microsyntactic Units across Slavic Languages"** - UMLV Summer School

2020 **Conference Presentation: "Analyzing and Comparing Speech Disfluency Patterns in Non-Native Dialogue: A Case Study" Advisor: Dr. Lucia Donatelli** Student Session at WeSSLLI 2020.

Volunteer experience

2023 **PhD Representative** at SFB 1102 at Universität des Saarlandes

2020 **Linguistic corpus annotator**, 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 US, Baltimore

Last updated: September 4, 2023