

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**
PhD 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 Multilinguality 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*
- 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 *Inter-speech 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

- 2023 **Summer School on Deep Learning in NLP** at RANLP (Varna, Bulgaria)
- 2023 **Information Theory course** at Saarland University
- 2020 **Summer School: Virtual SemDial 24** (WatchDial)
- 2019 **Au Pair** in Germany, Essen
- 2017 **Work & Travel** in the US, Baltimore

Last updated: October 11, 2023