

Daniil Gurgurov

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Experience

- Research Assistant** German Research Center for AI (DFKI) *Germany* **07/2023 - now**
- Conducting experiments for the [LT-Bridge](#) and [DisAI](#) projects, dedicated to advancing AI-related technology for low-resource languages
 - Built [GloVe embeddings](#) and enhanced them with the ConceptNet graph knowledge for 70+ mid and low-resource languages
 - Developed a methodology for [injecting graph knowledge](#) into multilingual LLMs via adapters for facilitating low-resource languages
 - Trained language adapters and collected 30+ [sentiment analysis datasets](#) for testing word embeddings and multilingual LLMs
- Language Manager** YouFact LLC *USA* **04/2017 - 04/2018**
- Worked for a technology marketing company producing videos on [YouTube](#) for 4+ million audience in 5+ languages
 - Analyzed AI-driven content creation platforms to enhance efficiency and productivity in content production
 - Managed workflow of 10+ freelance translators and voiceover artists ensuring the quality and consistency of translations and voiceovers
 - Edited audio for optimal quality using WavePad / Audacity (noise reduction, volume normalization, synchronization)

Education

- Master of Science** Saarland University *Germany* **10/2022 - 08/2025**
- Major in Language Science and Technology (1.7/5.0, best: 1.0)
- Exchange Semester** Trento University *Italy* **02/2025 - 08/2025**
- Major in Language and Communication Technology (n.a./30, best: 30)
- Exchange Semester** Murray State University *USA* **08/2019 - 12/2019**
- Focus on Public Speaking, Web Design, Politics; Dean's List (3.75/4.0, best: 4.0)
- Bachelor of Arts** Transnistrian State University *Moldova* **09/2018 - 09/2022**
- Double Major in Linguistics and Pedagogy; Magna Cum Laude (4.9/5.0, best: 5.0)

Publications

- Arxiv Preprint: [Multilingual Large Language Models and Curse of Multilinguality](#) (2024)
- KaLLM Workshop at ACL: [Adapting Multilingual LLMs to Low-Resource Languages with Knowledge Graphs via Adapters](#) (2024)
- NAACL Findings: [GrEmLIn: A Repository of Green Embeddings for 87 Low-Res Lang-s Injected with Multilingual Graphs](#) (2025)

Online Courses

- HuggingFace: [Computer Vision](#) & [Natural Language Processing](#) (CNNs; ViT Transformers; CLIP; Diffusion Models; LLMs; Tokenizers)
- Stanford University: [Deep Learning Specialisation](#) (Supervised & Unsupervised ML; Recommenders; Reinforcement Learning)
- Google Cloud: [Large Language Models](#) (Attention Mechanism; Generative AI; Image Generation; Responsible AI)
- Data Camp: Statistical Analysis with R ([Intermediate R](#); [Hypothesis Testing](#); [Regression Models](#); [Bayesian Data Analysis](#))

Projects

- [Im2latex](#): Trained a base Vision Encoder-Decoder [Model](#) for converting images of mathematical formulas to LaTeX script
- [Mental Health in Literature](#): Created a HuggingFace Spaces [mini-app](#) for “diagnosing” literature characters with mental disorders
- [Vector Space Retrieval Model](#): Built a simple search engine using a TF-IDF vectorizing schema from scratch

Awards

- DAAD Fellow - Pursuing graduate education in Germany through the [DAAD Scholarship](#) (Acceptance < 5%) (10/2022 - 10/2024)
- Diamond Challenge Runner-up - Represented a company creating eco-friendly toys at the [Entrepreneurship Contest](#) (02/2020)
- Global UGRAD Fellow - Served as an Ambassador of Moldovan culture at [WorldLearning Summit](#) (Acceptance < 3%) (11/2019)
- Geography Olympiad Winner - Achieved first place at the Republic [Geography Competition](#) (200 participants) (04/2018)

Others

- [TaCoS Organization](#) - Attracted funding and helped with facilitation of Student Conference on Computational Linguistics (05/2024)
- [LT-Bridge Facilitation](#) - Facilitated Winter School on Low-Resource NLP and PEFT at German Research Center for AI (03/2024)
- [American Spaces Volunteer](#) - Organized diverse events on American culture and advised on UGRAD applications (01/2020 - 12/2021)

Skills

- Python | R | Java | HTML5 | CSS | Git | bash | Docker | LaTeX | VSCode | Jupyter | Cluster Computing | Praat | OverLeaf
- Scikit-Learn | PyTorch | TensorFlow | NumPy | Pandas | Matplotlib | Plotly | Transformers | NLTK | SpaCy | Gensim | Gradio | LangChain
- Natural Language Processing | Computer Vision | Research & Development | Russian (*Native*), English (*Fluent*), German (*Intermediate*)