Igor Rozhkov

✉ fulstocky@gmail.com 🔗 fulstock.github.io 𝕏 fulstock_nlp ⌨ fulstock in fulstock 🎓 Google Scholar

Research Interests

Nested Named Entity Recognition, Relation Extraction, Biomedical NLP, Domain Adaptation for Information Retrieval

Publications

Methods for Recognizing Nested Terms　　　　　　　　　　　　　　　　May 2025
Igor Rozhkov, Natalia Loukachevitch
10.48550/arXiv.2504.16007

Domain-Specific Named Entity Extraction from a Heterogeneous Input Stream　　Jan 2025
N. V. Loukachevitch, *I. S. Rozhkov*, B. V. Dobrov
(Programming and Computational Mathematics: Proceedings of the Conference Dedicated to the 100th Anniversary of N. P. Trifonov)

NEREL: A Russian Information Extraction Dataset with Rich Annotation for Nested Entities, Relations, and Wikidata Entity Links　　　　　　　　　　June 2024
Natalia Loukachevitch, Ekaterina Artemova, Tatiana Batura, Pavel Braslavski, Vladimir Ivanov, Suresh Manandhar, Alexander Pugachev, *Igor Rozhkov*, Artem Shelmanov, Elena Tutubalina, Alexey Yandutov
10.1007/s10579-023-09674-z (Language Resources and Evaluation)

Pre-trained Language Models for Nested Named Entity Recognition　　　　Jan 2024
N. V. Loukachevitch, *I. S. Rozhkov*
(Lomonosov Readings 2024: Scientific Conference, Faculty of CMC, Lomonosov Moscow State University. Abstracts)

Machine Reading Comprehension Model in Domain-Transfer Task　　　　Aug 2023
I. S. Rozhkov, N. V. Loukachevitch
10.1134/S1995080223080504 (Lobachevskii Journal of Mathematics)

Prompts in Few-Shot Named Entity Recognition　　　　　　　　　　June 2023
I. S. Rozhkov, N. V. Loukachevitch
10.1134/S1054661823020104 (Pattern Recognition and Image Analysis)

NEREL-BIO: A Dataset of Biomedical Abstracts Annotated with Nested Named Entities　　　　　　　　　　　　　　　　　　　　　　　　　　Jan 2023
Natalia Loukachevitch, Suresh Manandhar, Elina Baral, *Igor Rozhkov*, Pavel Braslavski, Vladimir Ivanov, Tatiana Batura, Elena Tutubalina
(Bioinformatics)

RuNNE-2022 Shared Task: Recognizing Nested Named Entities　　　　June 2022
Ekaterina Artemova, Maxim Zmeev, Natalia Loukachevitch, *Igor Rozhkov*, Tatiana Batura, Vladimir Ivanov, Elena Tutubalina
10.28995/2075-7182-2022-21-33-41 (COMPUTATIONAL LINGUISTICS AND INTELLECTUAL TECHNOLOGIES)

Machine Reading Comprehension Model in RuNNE Competition　　　　June 2022
Igor Rozhkov, Natalia Loukachevitch
10.28995/2075-7182-2022-21-488-496 (Computational Linguistics and Intellectual Technologies)

Education

BSc, **Lomonosov Moscow State University**, Computer Science, NLP Moscow, Russia
- Thesis: A Study of Methods for Automatic Nested Named Entity Recognition 2018 – 2022
- Advisor: Natalia Loukachevitch

MSc, **Lomonosov Moscow State University**, Computer Science, NLP Moscow, Russia
- Thesis: Recognizing nested entities based on flat annotation 2022 – 2024
- Advisor: Natalia Loukachevitch

PhD **Lomonosov Moscow State University**, Computer Science, NLP Moscow, Russia
- Thesis: Methods for Nested Named Entity Recognition 2024 – present
- Advisor: Natalia Loukachevitch

Conference Presentations

Dialogue Evaluation 2022 2022
- Machine Reading Comprehension Model in RuNNE Competition (oral)

Huawei workshop 'ML/AI/NLP for search-engine performance improvement' 2022
- Prompts in few-shot and cross-domain tasks of nested named entity recognition

Lomonosov Readings 2024, Section of Computational Mathematics and Cybernetics 2024
- Pre-trained Language Models for Nested Named Entity Recognition (oral)

Conference 'Programming and Computational Mathematics' Dedicated to the 100th Anniversary of N. P. Trifonov 2025
- Domain-Specific Named Entity Extraction from a Heterogeneous Input Stream (oral)

Experience

Research Computing Center of Lomonosov Moscow State University, Researcher Moscow, Russia
- Research on nested NER and RE methods, biomedical NLP, dataset development, shared task organization 2022 – present
4 years

Ivannikov Institute for System Programming of the Russian Academy of Sciences, Research Intern Moscow, Russia
- Research on LLM evaluation in domain-specific settings; hallucination detection using information retrieval methods 2024 – present
2 years

Teaching Assistantship

Methods and Tools of Information Retrieval 2024

Methods and Tools of Information Retrieval 2025

Departmental Practicum 2025

Professional Service

Developed baseline system for RuNNE-2022 Shared Task 2022

BioNNE-R Shared Task competition at CLEF 2026 BioASQ 2026

Awards

Lomonosov Moscow State University Scholarship for Young Researchers, Graduate Students, and Students with Outstanding Achievements in Teaching and Research 2024

Skills

Technical Skills: Python, PyTorch, HuggingFace Transformers, Docker

Languages

English: C1

Russian / Русский: Native

Japanese / 日本語: B1 level / JLPT N4