

Igor Rozhkov

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Research Interests

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

Education

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	
Lomonosov Moscow State University , Computer Science, NLP	Moscow, Russia
• Thesis: Recognizing nested entities based on flat annotation	2022 – 2024
• Advisor: Natalia Loukachevitch	
Lomonosov Moscow State University , Computer Science, NLP	Moscow, Russia
• Thesis: Methods for Nested Named Entity Recognition	2024 – present
• Advisor: Natalia Loukachevitch	

Publications

Methods for Recognizing Nested Terms <i>Igor Rozhkov</i> , Natalia Loukachevitch 10.48550/arXiv.2504.16007	May 2025
Domain-Specific Named Entity Extraction from a Heterogeneous Input Stream N. V. Loukachevitch, <i>I. S. Rozhkov</i> , B. V. Dobrov (Programming and Computational Mathematics: Proceedings of the Conference Dedicated to the 100th Anniversary of N. P. Trifonov)	Jan 2025
NEREL: A Russian Information Extraction Dataset with Rich Annotation for Nested Entities, Relations, and Wikidata Entity Links Natalia Loukachevitch, Ekaterina Artemova, Tatiana Batura, Pavel Braslavski, Vladimir Ivanov, Suresh Manandhar, Alexander Pugachev, <i>Igor Rozhkov</i> , Artem Shelmanov, Elena Tutubalina, Alexey Yandutov 10.1007/s10579-023-09674-z (Language Resources and Evaluation)	June 2024
Pre-trained Language Models for Nested Named Entity Recognition N. V. Loukachevitch, <i>I. S. Rozhkov</i> (Lomonosov Readings 2024: Scientific Conference, Faculty of CMC, Lomonosov Moscow State University. Abstracts)	Jan 2024
Machine Reading Comprehension Model in Domain-Transfer Task <i>I. S. Rozhkov</i> , N. V. Loukachevitch 10.1134/S1995080223080504 (Lobachevskii Journal of Mathematics)	Aug 2023
Prompts in Few-Shot Named Entity Recognition <i>I. S. Rozhkov</i> , N. V. Loukachevitch 10.1134/S1054661823020104 (Pattern Recognition and Image Analysis)	June 2023
NEREL-BIO: A Dataset of Biomedical Abstracts Annotated with Nested Named Entities Natalia Loukachevitch, Suresh Manandhar, Elina Baral, <i>Igor Rozhkov</i> , Pavel Braslavski, Vladimir Ivanov, Tatiana Batura, Elena Tutubalina (Bioinformatics)	Jan 2023

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

June 2022

Machine Reading Comprehension Model in RuNNE Competition
Igor Rozhkov, Natalia Loukachevitch
[10.28995/2075-7182-2022-21-488-496](https://doi.org/10.28995/2075-7182-2022-21-488-496) (Computational Linguistics and Intellectual Technologies)

June 2022

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

2022 – present

4 years

Ivannikov Institute for System Programming of the Russian Academy of Sciences, Research Intern

Moscow, Russia

2024 – present

2 years

Teaching Assistance

Methods and Tools of Information Retrieval

2024

Methods and Tools of Information Retrieval

2025

Departmental Practicum

2025

Professional Service

RuNNE-2022 baseline organization

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

Skills

Languages

English: C1

Russian / Русский: Native

Japanese / 日本語: B1 level / JLPT N4