

Marina Ermolaeva

Curriculum Vitae
July 2025

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🏛 Lomonosov Moscow State University | Department of Theoretical and Applied Linguistics

👛 Sber | SberDevices

EDUCATION

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| 2015 – 2021 | University of Chicago, Department of Linguistics
Ph.D.
Dissertation: Learning Syntax via Decomposition
Dissertation committee chair: John Goldsmith |
| 2010 – 2015 | Lomonosov Moscow State University, Department of Theoretical and Applied Linguistics
Specialist (\approx B.A.+M.A.) in Linguistics with Honors |

WORK EXPERIENCE

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|----------------|---|
| 2022 – present | Lomonosov Moscow State University
Researcher. Moscow, Russia |
| 2022 – 2024 | Lomonosov Moscow State University
Junior researcher. Moscow, Russia |
| 2022 – present | Sber
Chief development engineer at SberDevices. Moscow, Russia |
| 2021 – 2022 | Sber
Lead maintenance engineer at SberDevices. Moscow, Russia |
| 2018 | Nuance Communications
Intern at the Natural language and AI group. Sunnyvale, CA |

OTHER ACADEMIC EXPERIENCE

May 2019 – December 2019	Visiting Researcher at the University of Leipzig Leipzig, Germany
Summer 2017	29th European Summer School in Logic, Language, and Information at the University of Toulouse Toulouse, France
Summer 2016	North American Summer School on Logic, Language, and Information 2016 at Rutgers University New Brunswick, NJ
Summer 2014	12th NY – St. Petersburg Institute of Linguistics, Cognition and Culture at Smolny University St. Petersburg, Russia
Summer 2013	11th NY – St. Petersburg Institute of Linguistics, Cognition and Culture at St. Petersburg State University St. Petersburg, Russia

JOURNAL PAPERS


2023	Evaluating syntactic proposals using minimalist grammars and minimum description length Journal of Language Modelling
2022	Agreement as information transmission over dependencies (with Gregory Kobele) Syntax. 25 (4), pp. 466–507
2015	On the dual nature of Turkic converbs [О двойственной природе тюркских конвербов] (with Pavel Graschenkov) MSU Vestnik, Series 9: Philology (2), pp. 42–57. Moscow State University, Moscow

INVITED TALKS

March 2025	How to tame your plotline: Generation of interactive fairy tales with goal-setting and emotional arcs] NLP seminar at the Natural Language Laboratory of HSE-Yandex (remotely)
September 2020	Learning minimalist grammars via lexical item decomposition Computational linguistics group at the University of Buenos Aires (remotely)
October 2019	Learning minimalist grammars over morphemes Thomas Müntzer lecture at IGRA Klausurtagung, University of Leipzig. Herrnhut, Germany
May 2018	Morphological agreement in minimalist grammars Frontiers Talk, Stony Brook University. Stony Brook, NY

CONFERENCES AND PROCEEDINGS

- November 2024 How to tame your plotline: A framework for goal-driven interactive fairy tale generation
(with Anastasia Shakhmatova, Alina Nepomnyashchikh, and Alena Fenogenova)
🗨 6th Workshop on Narrative Understanding at EMNLP 2024. Miami, FL (poster)
📄 ACL Anthology – Proceedings of the 6th Workshop on Narrative Understanding, 2024, pp. 8–31
- November 2023 Neuroquest: entertainment skills based on GigaChat [Нейроквест: развлекательные навыки на базе GigaChat]
(with Denis Titov)
🗨 Sber AIJourney 2023. Moscow, Russia
- June 2023 Formal Properties of Agreeing Minimalist Grammars
(with Gregory Kobele)
🗨 6th meeting of the Society for Computation in Linguistics. Amherst, MA (poster, remotely)
- April 2023 The minimum description length principle as an evaluation procedure for the double-object construction [Принцип минимальной длины описания как процедура выбора грамматик на примере конструкции с двумя дополнениями]
🗨 Lomonosov Readings 2023. Philology section. Moscow, Russia
- November 2022 Neurofantasy: creative writing with ruGPT-3 [Нейрофэнтези: сочиняем с ruGPT-3]
(with Pavel Graschenkov)
🗨 Sber AIJourney 2022. Moscow, Russia
- April 2022 MDL for MG: Comparing analyses of syntactic phenomena with minimalist grammars and minimum description length [MDL для MG: сравнение вариантов анализа синтаксических явлений с помощью минималистских грамматик и принципа минимальной длины описания]
🗨 Lomonosov Readings 2022. Philology section. Moscow, Russia
- November 2021 Deconstructing syntactic generalizations with minimalist grammars
🗨 25th Conference on Computational Natural Language Learning. Punta Cana, Dominican Republic (remote poster)
📄 ACL Anthology – Proceedings of the 25th Conference on Computational Natural Language Learning, 2021, pp. 435–444
- January 2020 Induction of minimalist grammars over morphemes
🗨 3rd meeting of the Society for Computation in Linguistics. New Orleans, LA (poster)
📄 ACL Anthology – Proceedings of the Society for Computation in Linguistics 3 (1), 2020, pp. 484–487

- October 2018 **Extracting morphophonology from small corpora**
 ACL Special Interest Group on Computational Morphology and Phonology (SIGMORPHON). Brussels, Belgium (poster)
 ACL Anthology – Proceedings of the 15th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology, 2018, pp. 167–175
- January 2018 **Distributed Morphology as a regular relation**
(with Daniel Edmiston)
 1st meeting of the Society for Computation in Linguistics. Salt Lake City, UT (poster)
 Proceedings of the Society for Computation in Linguistics 1 (1), 2018, pp. 178–181
- July 2017 **Morphological agreement in minimalist grammars**
 22nd Conference on Formal Grammar. Toulouse, France
 Formal Grammar: Lecture Notes on Computer Science. Springer, Berlin Heidelberg, 2018, pp. 20–36
- March 2017 **Distributed Morphology over strings**
(with Daniel Edmiston)
 41st Annual Penn Linguistics Conference. Philadelphia, PA (poster)
- December 2014 **An adaptable morphological parser for agglutinative languages**
 Italian Conference on Computational Linguistics. Pisa, Italy (poster)
 Proceedings of the First Italian Conference on Computational Linguistics CLiC-it 2014 & the Fourth International Workshop EVALITA 2014, vol. I. Pisa University Press, Pisa, 2014, pp. 164–168
- October 2014 **DIRETRA, a customizable direct translation system: first sketches**
(with Alëna Aksënova)
 “And yet it Translates! Human-Machine Interaction in Translation in the 21st Century”, 2nd International TRANSLATA Conference. Innsbruck, Austria
 Proceedings of the 2nd International TRANSLATA Conference, Part 1. Peter Lang, Germany, 2017
- September 2014 **Two types of nominalizations in Balkar language**
(with Tatiana Bondarenko)
 47th Annual Meeting of Societas Linguistica Europaea. Poznań, Poland
- November 2013 **Subjects in constructions with the *p*-converb in Kyrgyz and Mishar Tatar**
[Подлежащее в разнособъектных конструкциях с деепричастием на -*p* в киргизском языке и мишарском диалекте татарского языка]
 10th Conference on Grammar and Typology for Young Researchers. St. Petersburg, Russia
 Proceedings of the 10th conference on typology and grammar for young researchers. Acta Linguistica Petropolitana, vol.12. St.-Petersburg, 2016, pp. 417–427

INFORMAL PRESENTATIONS

May 2019	Minimalist grammar induction Syntax and Morphology Workshop, University of Chicago. Chicago, IL
February 2017	Distributed Morphology on strings (with Daniel Edmiston) Syntax and Morphology Workshop, University of Chicago. Chicago, IL
October 2014	DIRETRA, a morphological analyzer: more than a gloss [Морфологический анализатор DIRETRA: больше, чем глосса] (with Alëna Aksënova) 201th Meeting of the Workshop on Mathematical Methods Applied to Linguistics, Moscow State University. Moscow, Russia

TEACHING: LOMONOSOV MOSCOW STATE UNIVERSITY

Spring 2023 – present	OTiPL Reading Group [Ридинг-группа ОТиПЛа]
Spring 2024 – present	Mathematical Models in Morphology [Математические модели в морфологии]
Spring 2023	Formal Grammars and Phonology [Формальные грамматики и фонология]
Fall 2022 – Fall 2023	Formal Grammars and Syntax [Формальные грамматики и синтаксис]
Spring 2022 – present	Mathematical Methods in Linguistic Research [Математические методы в лингвистических исследованиях]

TEACHING: UNIVERSITY OF CHICAGO

Spring 2020	Formal Foundations of Linguistics
Winter 2019	TA, Introduction to Linguistics Instructor: Jeffrey Geiger
Winter 2018	TA, Language in the Internet Instructor: Ross Burkholder
Fall 2017	TA, Introduction to Phonetics and Phonology Instructor: Jacob Phillips

GUEST LECTURES AND SEMINARS

March 2024	Minimalist grammars and minimum description length [Минималистские грамматики и минимальная длина описания] Research Seminar on Core Applications of Mathematics [Научно-исследовательский семинар "Основные приложения математики"], Higher School of Economics (remotely)
July 2023	Mathematics of syntax: formalizing patterns in language data [Математика синтаксиса: формализация закономерностей в языковых данных] XXIII Summer School of Linguistics, Pereslavl-Zalessky, Russia
February 2019	Formal grammars (and why they are of interest to linguists) Introduction to Linguistics, University of Chicago Instructor: Jeffrey Geiger
December 2017	Minimalist grammars [Минималистские грамматики] Introduction to computational linguistics [Введение в прикладную лингвистику], Moscow State University Instructor: Pavel Graschenkov
November 2017	Computational optimality theory Introduction to Phonetics and Phonology, University of Chicago Instructor: Jacob Phillips

ADVISING

2025	Vasilisa Shaburova Master's Thesis: Noun phrase in Slavic languages: Formalization and comparison of approaches using Stabler's minimalist grammars Defended on June 4, 2025 Lomonosov Moscow State University
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GRANTS, FELLOWSHIPS, AND AWARDS

2022 – 2023	Grant based on the contest for young scientists of the non-profit foundation for the development of science and education "Intellect" Moscow, Russia
2020 – 2021	Mellon Foundation – University of Chicago Dissertation Completion Fellowship Chicago, IL
2014	Prize for the best presentation by PhD student(s) at Translata II (with Alëna Aksënova) 2nd International TRANSLATA Conference. Innsbruck, Austria

SERVICE

2023	6th meeting of the Society for Computation in Linguistics Reviewer
2022–2025	Journal of Language Modelling Reviewer
2021	4th meeting of the Society for Computation in Linguistics Reviewer
2017	53rd Annual Meeting of the Chicago Linguistic Society Organizing Committee member

FIELDWORK

Summer 2014	Linguistic expedition to Baraghan village, Buryatia Language: Buryat (Barguzin dialect) Research topic: converbs and pseudo-converbial forms
Summer 2013	Linguistic expedition to Verkhnyaya Balkariya, Kabardino-Balkaria Language: Balkar (Cherek dialect) Research topic: nominalization
Summer 2012	Linguistic expedition to Rybushkino village, Nizhny Novgorod Oblast Language: Tatar (Mishar dialect) Research topic: <i>p</i> -converbs
Summer 2011	Linguistic expedition to Tegi village, Khanty-Mansi Autonomous Okrug Language: Khanty (Tegi dialect) Research topic: morphophonological types of verbal stems

LANGUAGES

Practical knowledge	Russian (native); English (fluent); German, French, Swahili, Italian (in decreasing order of proficiency)
Academic knowledge	Latin, Old Church Slavonic, Old Russian
Fieldwork experience	Balkar, Buryat, Khanty, Kyrgyz, Tatar
Formal languages	Python, \LaTeX (proficient); Haskell, OCaml, Javascript (basic)