

Marina Ermolaeva

Curriculum Vitae
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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
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

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| 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

- to appear Agreement as information transmission over dependencies
(with Gregory Kobele)
Syntax
- 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

- 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 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 разносубъектных 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 2022 Mathematical Methods in Linguistic Research [Математические методы в
лингвистических исследованиях I]

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

- 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

SERVICE

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| 2021 | 4th meeting of the Society for Computation in Linguistics
Reviewer |
| 2017 | 53rd Annual Meeting of the Chicago Linguistic Society
Organizing Committee member |

GRANTS, FELLOWSHIPS, AND AWARDS

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| 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 |

FIELDWORK

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| 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

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| 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)