

Anna Rogers

curriculum vitae

+1-978-201-7660

✉ anna_rogers@uml.edu

🌐 www.cs.uml.edu/~arogers/

🔍 [Google Scholar citations](#)

Anna Rogers (formerly Gladkova) is a post-doctoral associate in the Text Machine Lab of Computer Science Department, University of Massachusetts Lowell. Her research interests lie at the intersection of linguistics, natural language processing, and machine learning. Current projects span intrinsic evaluation of word embeddings, sentiment analysis, temporal and analogical reasoning.

Education

2012-2017 Ph.D.: the University of Tokyo, Language and Information Sciences Department

Thesis title: “Multilingual computational lexicography: frame semantics meets distributional semantics”

2007-2010 Cand. Sc. (Ph.D. equivalent): Shevchenko National University of Kyiv, Ukraine

Thesis title: “Abstract nouns with the suffix *-ness* in British fiction of 18th-20th centuries”

2001-2006 Specialist (M.A. equivalent) in Translation and Applied Linguistics (English, French): Sevastopol National Technical University, Ukraine

Work Experience

2017-current **Post-doctoral associate** at the Computer Science dept., University of Massachusetts Lowell

2012-2013 **Linguist** at *Japanese FrameNet project* (part-time position, Keio University, Tokyo)

2010-2012 **Senior lecturer** at *Sevastopol National Technical University*, Ukraine

2006-2007 **Lecturer** at *Sevastopol National Technical University*, Ukraine

Skills and Expertise

- Programming: Python, R, Bash;
- Machine learning: scikit-learn, PyTorch;
- Data: MySQL, JSON, XML;
- Languages: English, Ukrainian, Russian (native-level), Japanese, French (fluent)
- Theoretical frameworks: distributional semantics, frame semantics, cognitive linguistics, sociolinguistics, pragmatics

Selected oral presentations

- *Detecting linguistic relations with analogies: what works and what doesn't*. Oral presentation at Google Tokyo seminar. Tokyo, Japan, July 15th 2016.
- *Distributional compositional semantics in the age of word embeddings*. Tutorial at LREC 2018. Miyazaki, Japan, May 7th 2018.

Awards and scholarships

- Conference travel grants for ACL 2016 and NAACL 2016
- Research Student Scholarship of Ministry of Education of Japan, 2012-2016

Selected publications

- 2018 Anna Rogers, Shashwath Hosur Ananthakrishna, and Anna Rumshisky (2018). “What’s in Your Embedding, And How It Predicts Task Performance”. In: *Proc. of COLING 2018*. Santa Fe, New Mexico, USA, August 20-26, 2018: ACL, pp. 2690–2703. URL: <http://aclweb.org/anthology/C18-1228>
- Anna Rogers, Alexey Romanov, Anna Rumshisky, Svitlana Volkova, Mikhail Gronas, and Alex Gribov (2018). “RuSentiment: An Enriched Sentiment Analysis Dataset for Social Media in Russian”. In: *Proc. of COLING 2018*. Santa Fe, New Mexico, USA: ACL, pp. 755–763. URL: <http://aclweb.org/anthology/C18-1064>
- Marzena Karpinska, Bofang Li, Anna Rogers, and Aleksandr Drozd (2018). “Sub-character Information in Japanese Embeddings: When Is It Worth It?” In: *Proc. of the Workshop on the Relevance of Linguistic Structure in Neural Architectures for NLP*. Melbourne, Australia: ACL, pp. 28–37. URL: <http://aclweb.org/anthology/W18-2905>
- 2017 Anna Rogers (2017). “Multilingual Computational Lexicography: Frame Semantics Meets Distributional Semantics”. Ph.D. dissertation. Tokyo: University of Tokyo
- Anna Rogers, Aleksandr Drozd, and Bofang Li (2017). “The (Too Many) Problems of Analogical Reasoning with Word Vectors”. In: *Proc. of the 6th Joint Conference on Lexical and Computational Semantics (* SEM 2017)*, pp. 135–148. URL: <http://www.aclweb.org/anthology/S17-1017>
- Bofang Li, Tao Liu, Zhe Zhao, Buzhou Tang, Aleksandr Drozd, Anna Rogers, and Xiaoyong Du (2017). “Investigating Different Syntactic Context Types and Context Representations for Learning Word Embeddings”. In: *Proc. of EMNLP 2017*, pp. 2411–2421. URL: <http://aclweb.org/anthology/D17-1257>
- 2016 Anna Gladkova and Aleksandr Drozd (2016). “Intrinsic Evaluations of Word Embeddings: What Can We Do Better?” In: *Proc. of The 1st Workshop on Evaluating Vector Space Representations for NLP*. Berlin, Germany: ACL, pp. 36–42. URL: <http://www.aclweb.org/anthology/W/W16/W16-2507.pdf>
- Anna Gladkova, Aleksandr Drozd, and Satoshi Matsuoka (2016). “Analogy-Based Detection of Morphological and Semantic Relations with Word Embeddings: What Works and What Doesn’t.” In: *Proc. of the NAACL-HLT SRW*. San Diego, California, June 12-17, 2016: ACL, pp. 47–54. URL: <https://www.aclweb.org/anthology/N/N16/N16-2002.pdf>
- Enrico Santus, Anna Gladkova, Stefan Evert, and Alessandro Lenci (2016). “The CogALex-V Shared Task on the Corpus-Based Identification of Semantic Relations”. In: *Proc. of the Workshop on Cognitive Aspects of the Lexicon (CogALex-V)*. Osaka, Japan, December 11-17: ACL, pp. 69–79. URL: <http://www.aclweb.org/anthology/W/W16/W16-53.pdf#page=83>
- Aleksandr Drozd, Anna Gladkova, and Satoshi Matsuoka (2016). “Word Embeddings, Analogies, and Machine Learning: Beyond King - Man + Woman = Queen”. In: *Proc. of COLING 2016*. Osaka, Japan, December 11-17, pp. 3519–3530. URL: <https://www.aclweb.org/anthology/C/C16/C16-1332.pdf>