Daniil Sorokin

 $U\!K\!P$ Lab, Hochschulstraße 1064289 Darmstadt, Germany

		daniilsorokin.github.io
Keywords: natural l	language processing, machine learning, semantic an	nalysis, knowledge bases
	Work Experience	
04.2015 – now	Researcher, UKP Lab, TU Darmstadt, German, Neural network approaches for open-domain questi Teaching "Foundations of Natural Language Proces Supervised 7 bachelor and master theses Organizing a regular research seminar and guest ta Candidate evaluation for PhD- and PostDoc-level p	on answering ssing" for 3 semesters lks for 3.5 years
11.2018 - 01.2019	Research Intern, Factmata Ltd., London, UK. o Automatic evidence-based fact checking and claim validation	
01.2014 - 03.2015	Researcher, Research center SFB 833, University O Automatic semantic processing of German and Eng	
05.2012 - 12.2013	Research Assistant, Computational Linguistics University of Tübingen, Germany. O Teaching assistant for the course "Programming wi Development of RESTful web services for linguistic	th Java"
10.2010 - 08.2011	Software Engineer, PROMT Ltd., Saint Peters o Construction of multi-lingual parallel corpora from o Stress- and usability-tests of machine translation to	web data
	Education	
04.2015 – now (expected 08.2019)	PhD in Computer Science, TU Darmstadt, G Supervisor: Prof. Dr. Iryna Gurevych, UKP Lab Topic: Lexical-Semantic and World Knowledge for Se	·
10.2011 - 01.2014	M.A. in Computational Linguistics, University GPA: 4.0 (German 1.1 / 1.0). Thesis: A Machine Learning Approach to the Semant: Noun Compounds	
09.2007 - 07.2011	B.A. in Computational Linguistics, Saint Per Russia, GPA: 4.0 (Russian 4.9 / 5.0). Thesis: Automatic Identification of Morphological Typand Their Representation in a Geo-information Systematics.	pes of Geographical Names
Summer schools	Machine Learning Summer School (2016, Max Plapean Summer School in Logic, Language and Info	**
	Skills	

Skills

Programming languages	Main: Python, Java Experience Javascript, XML, CSS, I⁴TEX, with: SPARQL, SQL, R, Haskell, Scala	
Main frameworks	PyTorch, NumPy, scikit-learn, TensorFlow, Keras, Flask, Weka, CoreNLP	
Languages	English, German, Russian Misc. Climbing, cycling, skiing	
Awards	Outstanding Reviewer (ACL, 2018), Teaching Award in Computer Science (TU Darmstadt, 2017), Best Challenge Paper (ESWC, 2017), Fully-funded Master's scholarship (DAAD, 2011)	

Service Reviewer: ACL'18–19; RepL4NLP'19; CONLL'18; EMNLP'18; GSCL'17

Selected Invited Talks

- 2019 Encoding Knowledge with Graph Neural Networks, NLP Seminar of the Department of Computing, Imperial College London.
 - Graph Neural Networks for Knowledge Base Question Answering, South England NLP Meetup of the UCL Machine Reading group, Alan Turing Institute, London.
- 2018 Graph Neural Networks for Knowledge Base Question Answering, NLIP Seminar Series, Computer Laboratory, University of Cambridge.
- 2017 **Knowledge Base Question Answering**, Natural Language Processing and the Web Seminar, TU Darmstadt.

Full list at https://daniilsorokin.github.io/

Main Publications

Daniil Sorokin and Iryna Gurevych. "Interactive Instance-based Evaluation of Knowledge Base Question Answering". In: Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP 2018): System Demonstrations. DEMO URL: http://semanticparsing.ukp.informatik.tu-darmstadt.de:5000/question-answering/. Brussels, Belgium, Nov. 2018, pp. 114-119. URL: http://aclweb.org/anthology/D18-2020.

Daniil Sorokin and Iryna Gurevych. "Mixing Context Granularities for Improved Entity Linking on Question Answering Data across Entity Categories". In: *Proceedings of the Seventh Joint Conference on Lexical and Computational Semantics* (*SEM 2018 @ NAACL 2018). New Orleans, LA, U.S., June 2018, pp. 65–75. URL: http://aclweb.org/anthology/S18-2007.

Daniil Sorokin and Iryna Gurevych. "Modeling Semantics with Gated Graph Neural Networks for Knowledge Base Question Answering". In: *Proceedings of COLING 2018*, the 27th International Conference on Computational Linguistics. Santa Fe, NM, U.S., Aug. 2018, pp. 3306–3317. URL: http://aclweb.org/anthology/C18-1280.

Daniil Sorokin and Iryna Gurevych. "Context-Aware Representations for Knowledge Base Relation Extraction". In: *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP 2017)*. Copenhagen, Denmark, Sept. 2017, pp. 1785–1790. URL: http://aclweb.org/anthology/D17-1188.

Daniil Sorokin and Iryna Gurevych. "End-to-end Representation Learning for Question Answering with Weak Supervision". In: **ESWC 2017** Semantic Web Challenges. Portoroz, Slovenia, 2017.

Google Scholar profile (complete publications list): https://scholar.google.de/citations?user=PRX-B-oAAAAJ

References are available upon request.