

## Todor Mihaylov

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Department of Computational Linguistics  
Heidelberg University  
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<b>RESEARCH INTERESTS</b>	<i>Natural Language Processing, Deep Learning, Natural Language Understanding, Reading Comprehension with External Knowledge, Question Answering</i>	
<b>EDUCATION</b>	<i>PhD Candidate in Computational Linguistics</i>	April 2016 - (Expected Dec 2019)
	Research Training Group AIPHES Department of Computational Linguistics Heidelberg University, Germany	
	<i>MSc in Computer Science</i>	October 2013 - July 2015
	Information Retrieval and Knowledge Discovery Sofia University, Sofia, Bulgaria	
	<i>Bachelor of Computer Science,</i>	September 2008 - May 2012
	Computer Systems and Technologies Technical University of Sofia, Sofia, Bulgaria	
<b>WORK EXPERIENCE</b>	<i>Research Intern</i>	April 2018 - June 2018
	The Allen Institute for Artificial Intelligence, Seattle, WA, USA Work on science question answering at the Aristo team.	
	<i>Applied Scientist Intern</i>	June 2017 - September 2017
	Amazon AI, AWS Deep Learning, Palo Alto, CA, USA Work on transfer learning for question answering.	
	<i>Software Engineer</i>	October 2008 - March 2016
	“Acstre“ Software Development Group Faculty of Applied Mathematics and Informatics Technical University of Sofia Developing web business applications.	

- PUBLICATIONS** *Discourse-Aware Semantic Self-Attention for Narrative Reading Comprehension* Nov 2019  
 Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing, EMNLP-IJCNLP 2019  
**Todor Mihaylov**, Anette Frank
- Can a Suit of Armor Conduct Electricity? A New Dataset for Open Book Question Answering* Oct 2018  
 Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing, EMNLP 2018  
**Todor Mihaylov**, Peter Clark, Tushar Khot, Ashish Sabharwal
- Knowledgeable Reader: Enhancing Cloze-Style Reading Comprehension with External Commonsense Knowledge* July 2018  
 Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics, ACL 2018  
**Todor Mihaylov**, Anette Frank
- What's Important in a Text? An Extensive Evaluation of Linguistic Annotations for Summarization* April 2018  
 Proceedings of the Second International Workshop on Advances in Natural Language Processing, Valencia, Spanien.  
 Markus Zopf, Teresa Botschen, Tobias Falke, Ana Marasovic, **Todor Mihaylov**, Avinesh P.V.S, Eneldo Loza Menca, Johannes Frnkranz und Anette Frank
- The Dark Side of News Community Forums: Opinion Manipulation Trolls* March 2018  
 Internet Research, 2018  
**Todor Mihaylov**, Tsvetomila Mihaylova, Preslav Nakov, Llus Mrquez, Georgi D. Georgiev, Ivan Koychev
- Neural Skill Transfer from Supervised Language Tasks to Reading Comprehension* November 2017  
 Workshop on Learning with Limited Labeled Data (LLD) at NIPS 2017  
**Todor Mihaylov**, Zornitsa Kozareva, Anette Frank
- Large-Scale Goodness Polarity Lexicons for Community Question Answering* August 2017  
 In Proceedings of the 40th International Conference on Research and Development in Information Retrieval (SIGIR) 2017  
**Todor Mihaylov**, Daniel Balchev, Yassen Kiprova, Ivan Koychev, Preslav Nakov
- Story Cloze Ending Selection Baselines and Data Examination* April 2017  
 Proceedings of the Linking Models of Lexical, Sentential and Discourse-level Semantics Shared Task 2017  
**Todor Mihaylov**, Anette Frank
- AIPHES-HD system at TAC KBP 2016: Neural Event Trigger Span Detection and Event Type and Realis Disambiguation with Word Embeddings* November 2016  
 Proceedings of the TAC Knowledge Base Population (KBP) 2016  
**Todor Mihaylov**, Anette Frank
- Discourse Relation Sense Classification Using Cross-argument Semantic Similarity*

*Based on Word Embeddings* August 2016  
Proceedings of the Twentieth Conference on Computational Natural Language Learning - Shared Task, 2016  
**Todor Mihaylov**, Anette Frank

*Hunting for Troll Comments in News Community Forums* August 2016  
The 54th Annual Meeting of the Association for Computational Linguistics, ACL 2016  
**Todor Mihaylov**, Preslav Nakov, Georgi D Georgiev

*SemanticZ at SemEval-2016 Task 3: Ranking Relevant Answers in Community Question Answering Using Semantic Similarity Based On Fine-tuned Word Embeddings* June 2016  
International Workshop on Semantic Evaluation (SemEval) 2016  
**Todor Mihaylov**, Preslav Nakov

*SUPer Team at SemEval-2016 Task 3: Building a Hybrid System for Community Question Answering* June 2016  
International Workshop on Semantic Evaluation 2016  
Tsvetomila Mihaylova, Pepa Gencheva, Martin Boyanov, Ivana Yovcheva  
**Todor Mihaylov**, Momchil Hardalov, Yassen Kiproff, Daniel Balchev, Ivan Koychev, Preslav Nakov, Ivelina Nikolova, Galia Angelova

*Exposing Paid Opinion Manipulation Trolls* September 2015  
Recent Advantages in Natural Language Processing (RANLP) 2015  
**Todor Mihaylov**, Ivan Koychev, Georgi D Georgiev, Preslav Nakov

*Finding Opinion Manipulation Trolls in News Community Forums* July 2015  
The 19th Conference on Computational Natural Language Learning, CONLL 2015  
**Todor Mihaylov**, Georgi D Georgiev, Preslav Nakov

*SU-FMI: System Description for SemEval-2014 Task 9 on Sentiment Analysis in Twitter*, SemEval 2014 August 2014  
Boris Velichkov, Borislav Kapukaranov, Ivan Grozev, Jeni Karanesheva  
**Todor Mihaylov**, Yassen Kiproff, Georgi Georgiev, Ivan Koychev, Preslav Nakov

**REVIEWING** *Conferences:* EMNLP 2016, ACL 2017, ACL 2018, NAACL-HLT 2019  
*Workshops:* SemEval 2014, SemEval 2016, CONLL-ST 2016, LSDSem-ST 2017, Rep4NLP 2018, SSS 2019, Rep4NLP 2019, COIN 2019

**TEACHING EXPERIENCE** *Teaching Assistant (Machine Learning, Information Retrieval)* Oct 2014 - Feb 2016  
Faculty of Mathematics and Informatics  
Sofia University

**HONORS AND AWARDS** *3rd in LDSem 2017 Shared Task on the Story Cloze Test* Feb 2017  
3rd best performing system in the official evaluation

*1st in CoNLL-2016 Shared Task on Discourse Relation Sense Classification* May 2016

Best performing system in the overall evaluation for the Discourse Relation Sense Classification for English

*3rd in SemEval-2016 Task 3: Community Question Answering* Feb 2016  
3rd place in Subtask A, English (Question-Comment Similarity)  
3rd place in Subtask C, English (Question-External Comment Similarity)  
1st place in Subtask C, English (Question-External Comment Similarity) (as a part of a team)

*IIE's Summer Entrepreneurship Program (SEP) scholarship* July 2014  
International Institute of Education's Summer Entrepreneurship Program (SEP) scholarship part of the Bulgaria Young Leaders Program (BYLP) by the America for Bulgaria Foundation

*Winner of BAIT Awards for 2013 , Students awards* January 2014  
Annual Awards of Bulgarian Association of Information Technologies

*WEBLOZ Students'12 winner in category Web Applications* February 2012  
Student software development competition

**TECHNOLOGY SKILLS** *Machine learning and NLP tools:* PyTorch, TensorFlow, AllenNLP, scikit-learn, gensim, NLTK, Libsvm/Liblinear, GATE  
*Programming Languages:* Python, C#, Java  
*Other Technologies:* Apache Lucene, Apache Solr, PostgreSQL

**LANGUAGES** *Bulgarian:* Native language  
*English:* Full professional proficiency  
*German:* Elementary proficiency

**ADDITIONAL** Personal page: <http://www.cl.uni-heidelberg.de/~mihaylov/>  
Google Scholar profile: <https://scholar.google.de/citations?user=igempQwAAAAJ&hl=en>  
Linkedin profile: <https://www.linkedin.com/in/todormihaylov/>  
GitHub profile: <https://github.com/tbmihailov>

Last update on 3 Sep 2019