

Todor Mihaylov

3639 Haven Ave, A414
94025, Menlo Park, CA, USA
+1 650 374 6543
tbmihailov@gmail.com

RESEARCH INTERESTS	<i>Natural Language Processing, Deep Learning, Natural Language Understanding, Reading Comprehension with External Knowledge, Question Answering</i>	
EDUCATION	<i>PhD Candidate in Computational Linguistics</i>	April 2016 - Sep 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	
WORK EXPERIENCE	<i>Research Scientist</i>	Nov 2020 - Now
	Facebook AI, Menlo Park, CA, USA	
	<i>Doctoral Researcher</i>	April 2016 - Sep 2019
	Department of Computational Linguistics Heidelberg University, Heidelberg, Germany Conducting research in natural language processing as part of doctoral studies.	
	<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>Research 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 and server business applications.	

- PUBLICATIONS** *EXAMS: A Multi-subject High School Examinations Dataset* Nov 2020
for Cross-lingual and Multilingual Question Answering
 Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)
 Momchil Hardalov, **Todor Mihaylov**, Dimitrina Zlatkova, Yoan Dinkov, Ivan Koychev, Preslav Nakov
- Discourse-Aware Semantic Self-Attention* Nov 2019
for Narrative Reading Comprehension
 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* Oct 2018
for Open Book Question Answering
 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* July 2018
with External Commonsense Knowledge
 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* April 2018
Linguistic Annotations for Summarization
 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:* March 2018
Opinion Manipulation Trolls
 Internet Research, 2018
Todor Mihaylov, Tsvetomila Mihaylova, Preslav Nakov, Llus Mrquez, Georgi D. Georgiev, Ivan Koychev
- Neural Skill Transfer from Supervised Language Tasks* November 2017
to Reading Comprehension
 Workshop on Learning with Limited Labeled Data (LLD) at NIPS 2017
Todor Mihaylov, Zornitsa Kozareva, Anette Frank
- Large-Scale Goodness Polarity Lexicons for* August 2017
Community Question Answering
 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 Kiprova, 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 Kiprova, 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, EurNLP 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: <https://tmihaylov.com>
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 28 Oct 2021