

FILIP ILIEVSKI

Computer Scientist
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Work Experience

- 12/2019-present Computer Scientist, USC Information Sciences Institute
- Tasks: Teaching, supervision, and research
 - Projects: Machine Common Sense (MCS) and Knowledge Graph Toolkit (KGTK)
- 08/2020-12/2020 Part-time Lecturer, USC School of Engineering
- Taught the course *Building Knowledge Graphs (DSCI-558)* to Data Science Graduate students.
- 03/2019-11/2019 Postdoctoral Researcher, Vrije Universiteit Amsterdam
- Tasks: Teaching, supervision, and research
 - Projects: Dutch FrameNet and Clariah

Education

- 03/2015-02/2019 PhD in Natural Language Processing, Vrije Universiteit (VU) Amsterdam
- Title: “Identity of Long-tail Entities in Text”
 - Defense date: September 6th, 2019
 - Computational Lexicology and Terminology Lab (CLTL) / Knowledge Representation and Reasoning (KRR)
 - Promotors: Prof. Piek Vossen (CLTL, VU), Prof. Frank van Harmelen (KRR, VU); co-promotors: Dr. Stefan Schlobach (KRR, VU), Dr. Marieke van Erp (KNAW)
 - My dissertation focused on multiple aspects of the under-addressed challenge of interpreting identity of long-tail entities in text, namely: description, analysis, evaluation, access to knowledge, and solution systems. It was part of the project [Understanding Language By Machines](#).

- 03/2017-08/2017 Visiting Research Scholar, Carnegie Mellon University
- Department: Language Technologies Institute (LTI)
 - Project: Neural profiling over knowledge graphs
 - Supervisor: Prof. Eduard Hovy
- 09/2013-02/2015 MSc in Artificial Intelligence, Vrije Universiteit Amsterdam
- Specialization: Intelligent Systems Design
 - VU Fellowship Program (VUFP) Recipient
 - GPA: 8.4/10.00, Graduated Cum Laude
 - Thesis title: "NED with two-stage coherence optimization – How i am teaching my Ford automobile not to run on 20th century presidential elections in US"
 - Thesis supervisors/advisors: Dr. Marieke van Erp, Dr. Stefan Schlobach, Prof. Piek Vossen, Dr. Wouter Beek
- 09/2009-09/2013 BSc in Computer Science and Engineering, Ss. Cyril and Methodius University, Skopje
- GPA: 9.56/10.00
 - Study Abroad - Vrije Universiteit Amsterdam, The Netherlands (Fall 2012 - Spring 2013, funded by the Erasmus Mundus Euroweb Scholarship)

Publications

1. (under review) Peifeng Wang, Jonathan Zamora, Junfeng Liu, Filip Ilievski, Muhao Chen, Xiang Ren. Contextualized Scene Imagination for Generative Commonsense Reasoning. International Conference on Learning Representations (ICLR) 2022.
2. (under review) Alessandro Oltramari, Jon Francis, Filip Ilievski, Kaixin Ma. Generalizable Neuro-symbolic Systems for Commonsense Question Answering. In Neuro-Symbolic Artificial Intelligence: The State of the Art.
3. (under review) Kartik Shenoy, Filip Ilievski, Daniel Garijo, Daniel Schwabe, Pedro Szekely. [A Study of the Quality of Wikidata](#). Journal of Semantic Web, Special Issue on Community-Based Knowledge Bases.
4. (under review) Nicholas Klein, Filip Ilievski, Pedro Szekely. Profiling Wikidata Entities. Eleventh International Conference on Knowledge Capture (K-CAP).
5. (under review) Ehsan Qasemi, Filip Ilievski, Muhao Chen, Pedro Szekely. [Corequisite: Circumstantial Preconditions of Common Sense Knowledge](#). AAAI Conference on Artificial Intelligence.

6. (under review) Jiang Wang, Filip Ilievski, Pedro Szekely, Ke-Thia Yao. Augmenting Knowledge Graphs for Better Link Prediction. AAAI Conference on Artificial Intelligence.
7. Filip Ilievski, Alessandro Oltramari, Kaixin Ma, Bin Zhang, Deborah L. McGuinness, Pedro Szekely (2021). [Dimensions of Commonsense Knowledge](#). Knowledge-Based Systems (KBS). Volume 229. ISSN 0950-7051. [10.1016/j.knosys.2021.107347](#).
8. Kaixin Ma, Filip Ilievski, Jonathan Francis, Satoru Ozaki, Eric Nyberg, Alessandro Oltramari (2021). [Exploring Strategies for Generalizable Commonsense Reasoning with Pre-trained Models](#). In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP).
9. Avijit Thawani, Jay Pujara, Filip Ilievski (2021). Numeracy Enhances the Literacy of Language Models. In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP).
10. Peifeng Wang, Filip Ilievski, Muhao Chen, Xiang Ren (2021). [Do Language Models Perform Generalizable Commonsense Inference?](#) In Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021. 3681–3688. [DOI](#).
11. Avijit Thawani, Jay Pujara, Pedro Szekely, Filip Ilievski (2021). [Representing Numbers in NLP: a Survey and a Vision](#). In Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies. 644–656. [DOI](#).
12. Filip Ilievski, Pedro Szekely, Bin Zhang (2021). [CSKG: The CommonSense Knowledge Graph](#). In Proceedings of Extended Semantic Web Conference (ESWC), Resource Track. 680–696. ISBN 978-3-030-77385-4.
13. Kaixin Ma, Filip Ilievski, Jonathan Francis, Yonatan Bisk, Eric Nyberg, Alessandro Oltramari (2021). [Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering](#). In Proceedings of the AAAI Conference on Artificial Intelligence. 13507–13515.
14. Filip Ilievski, Pedro Szekely, Gleb Satyukov, Amandeep Singh. [User-friendly Comparison of Similarity Algorithms on Wikidata](#). Wikidata-21 workshop, co-located with the International Semantic Web Conference (ISWC).
15. Hans Chalupsky, Pedro Szekely, Filip Ilievski, Daniel Garijo, Kartik Shenoy. [Creating and Querying Personalized Versions of Wikidata on a Laptop](#). Wikidata-21 workshop, co-located with the International Semantic Web Conference (ISWC).
16. Filip Ilievski, Jay Pujara, Hanzhi Zhang (2021). [Story Generation with Commonsense Knowledge Graphs and Axioms](#). Common Sense Knowledge Bases (CSKB) workshop, co-located with the Automated Knowledge Base Construction (AKBC) Conference.
17. Mark Mann, Filip Ilievski, Mohammad Rostami, Aastha Aastha, Basel Shbita (2021). [Open Drug Knowledge Graph](#). Knowledge Graph Construction (KGC) workshop, co-located with the Extended Semantic Web Conference (ESWC).

18. Ziping Hu, Zepei Zhao, Mohammad Rostami, Filip Ilievski, Basel Shbita (2021). [Knowledge Graph-Based Housing Market Analysis](#). Knowledge Graph Construction (KGC) workshop, co-located with the Extended Semantic Web Conference (ESWC).
19. Peifeng Wang, Nanyun Peng, Filip Ilievski, Pedro Szekely, Xiang Ren (2020). [Connecting the Dots: A Knowledgeable Path Generator for Commonsense Question Answering](#). In Findings of the Association for Computational Linguistics: EMNLP 2020. Association for Computational Linguistics. 4129–4140. DOI.
20. Filip Ilievski, Daniel Garijo, Hans Chalupsky, Naren Teja, Yixiang Yao, Craig Rogers, Rongpeng Li, Jun Liu, Amandeep Singh, Daniel Schwabe, Pedro Szekely (2020). [KGTK: A Toolkit for High-Volume Knowledge Graph Manipulation](#). In: J. Z. Pan et al. (Eds.): The Semantic Web – ISWC 2020, LNCS 12507, DOI.
21. Piek Vossen, Filip Ilievski, Marten Postma, Antske Fokkens, Gosse Minnema, Levi Remijnse (2020). [Large-scale Cross-lingual Language Resources for Referencing and Framing](#). In Proceedings of the 12th Language Resources and Evaluation Conference. 3162–3171.
22. Filip Ilievski, Pedro Szekely, Daniel Schwabe (2020). [Commonsense Knowledge in Wikidata](#). Wikidata-20 workshop, co-located with the International Semantic Web Conference (ISWC).
23. Marten Postma, Levi Remijnse, Filip Ilievski, Antske Fokkens, Sam Titarsolej, Piek Vossen (2020). [Combining Conceptual and Referential Annotation to Study Variation in Framing](#). In Proceedings of the International FrameNet Workshop 2020: Towards a Global, Multilingual FrameNet. 31–40.
24. Avijit Thawani, Jay Pujara, Filip Ilievski, Pedro Szekely (2020). [Representing Numbers in Language Models](#). West Coast NLP (WeCNLP) Summit.
25. Filip Ilievski (2019). [Identity of Long-Tail Entities in Text](#). Studies on the Semantic Web. Volume 43. IOS Press. ISBN 978-1-64368-042-2 (print) | 978-1-64368-043-9 (online).
26. Filip Ilievski (2019). [Identity of Long-Tail Entities in Text](#). PhD dissertation. Vrije Universiteit Amsterdam. 227p.
27. Filip Ilievski, Eduard Hovy, Piek Vossen, Stefan Schlobach, Qizhe Xie (2019). [The Role of Knowledge in Establishing Identity of Long-Tail Entities](#). Journal of Web Semantics (JWS), Special Issue on Language Technology and Knowledge Graphs. Volumes 61–62. ISSN 1570-8268. [10.2139/ssrn.3697491](#).
28. Filip Ilievski, Piek Vossen, Stefan Schlobach (2018). [Systematic Study of Long Tail Phenomena in Entity Linking](#). In Proceedings of the 27th International Conference on Computational Linguistics (COLING). Association for Computational Linguistics. 664–674.
29. Piek Vossen, Filip Ilievski, Marten Postma, Roxane Segers (2018). [Don't Annotate, but Validate: a Data-to-Text Method for Capturing Event Data](#). In Proceedings of the Eleventh

International Conference on Language Resources and Evaluation (LREC 2018). European Language Resources Association (ELRA).

30. Piek Vossen, Marten Postma, Filip Ilievski (2018). [ReferenceNet: a semantic-pragmatic network for capturing reference relations](#). In Proceedings of the 9th Global Wordnet Conference. Global Wordnet Association. 219–228.

31. Marten Postma, Filip Ilievski, Piek Vossen (2018). [SemEval-2018 Task 5: Counting Events and Participants in the Long Tail](#). In Proceedings of The 12th International Workshop on Semantic Evaluation. Association for Computational Linguistics. 70-80. DOI.

32. Wouter Beek, Filip Ilievski, Jeremy Debattista, Stefan Schlobach, Jan Wielemaker (2017). [Literally Better: Analyzing and Improving the Quality of Literals](#). Semantic Web Journal (SWJ). Semantic Web, volume 9. DOI.

33. Wouter Beek, Laurens Rietveld, Filip Ilievski, Stefan Schlobach (2017). [LOD Lab: Scalable Linked Data Processing](#). In Reasoning Web: Logical Foundation of Knowledge Graph Construction and Query Answering. Springer International Publishing. 124–155. ISBN 978-3-319-49493-7. DOI.

34. Filip Ilievski, Piek Vossen, Marieke van Erp (2017). [Hunger for Contextual Knowledge and a Road Map to Intelligent Entity Linking](#). In proceedings of Language, Data and Knowledge (LDK). Springer International Publishing. 143–149. ISBN 978-3-319-59888-8.

35. Filip Ilievski, Marten Postma, Piek Vossen (2016). [Semantic overfitting: what ‘world’ do we consider when evaluating disambiguation of text?](#). In Proceedings of COLING 2016, the 26th International Conference on Computational Linguistics: Technical Papers. The COLING 2016 Organizing Committee. 1180–1191.

36. Filip Ilievski, Wouter Beek, Marieke van Erp, Laurens Rietveld, Stefan Schlobach (2016). [LOTUS: Adaptive Text Search for Big Linked Data](#). In Proceedings of the 13th International Conference on The Semantic Web. Latest Advances and New Domains - Volume 9678. ISBN 978-3-319-34128-6. 470-485. DOI.

37. Filip Ilievski, Giuseppe Rizzo, Marieke van Erp, Julien Plu, Raphael Troncy (2016). [Context-enhanced Adaptive Entity Linking](#). In Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC’16). European Language Resources Association (ELRA). 541-548.

38. Marieke van Erp, Pablo Mendes, Heiko Paulheim, Filip Ilievski, Julien Plu, Giuseppe Rizzo, Joerg Waitelonis (2016). [Evaluating Entity Linking: An Analysis of Current Benchmark Datasets and a Roadmap for Doing a Better Job](#). In Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC’16). European Language Resources Association (ELRA). 4373–4379.

39. Roxane Segers, Egoitz Laparra, Marco Rospocher, Piek Vossen, German Rigau, Filip Ilievski (2016). [The Predicate Matrix and the Event and Implied Situation Ontology: Making More of Events](#). In Proceedings of the 8th Global WordNet Conference (GWC). Global Wordnet Association. 364-372.

40. Marten Postma, Filip Ilievski, Piek Vossen, Marieke van Erp (2016). [Moving away from semantic overfitting in disambiguation datasets](#). In Proceedings of the Workshop on Uphill Battles in Language Processing: Scaling Early Achievements to Robust Methods. Association for Computational Linguistics. 17-21. [DOI](#).
41. Marieke van Erp, Roxane Segers, Filip Ilievski, Antske Fokkens, Rodrigo Agerri, Marco Rospocher, Itziar Aldabe, Egoitz Laparra, German Rigau, Sanne Vrijenhoek (2016). [D5. 2.2 Domain model for financial and economic events, version 3 Deliverable D5. 2.2](#).
42. Piek Vossen, Tommaso Caselli, Agata Cybulska, Antske Fokkens, Filip Ilievski, Anne-Lyse Minard, Paramita Mirza, Itziar Aldabe, Egoitz Laparra, German Rigau (2016). [Event Narrative Module, version 3 Deliverable D5.1.3](#).
43. Filip Ilievski, Wouter Beek, Marieke van Erp, Laurens Rietveld, Stefan Schlobach (2015). [LOTUS: Linked Open Text UnleaShed](#). In Proceedings of the 6th International Workshop on Consuming Linked Data (COLD).
44. Marieke van Erp, Filip Ilievski, Marco Rospocher, Piek Vossen (2015). [Missing Mr. Brown and buying an Abraham Lincoln – Dark Entities and DBpedia](#). In Proceedings of the NLP and DBpedia workshop.
45. Tommaso Caselli, Piek Vossen, Marieke van Erp, Antske Fokkens, Filip Ilievski, Ruben Izquierdo Bevia, Minh Lê, Roser Morante, and Marten Postma (2015). [When it's all piling up: investigating error propagation in an NLP pipeline](#). In: NLP Applications: completing the puzzle.
46. Piek Vossen, Tommaso Caselli, Filip Ilievski, Ruben Izquierdo, Alessandro Lopopolo, Emiel Van Miltenburg, Roser Morante, Ngoc Minh, Marten Postma (2015). [Words in context: a reference perspective on the lexicon](#). In Proceedings of the MAPLEX workshop.

Presentations

10/2021	KGTK: Tools for Creating and Exploiting Large Knowledge Graphs. International Semantic Web Conference (ISWC). Tutorial. Online. October 24th, 2021.
10/2021	User-friendly Comparison of Similarity Algorithms on Wikidata. Wikidata-21 workshop, International Semantic Web Conference (ISWC). Workshop paper presentation. Online. October 24th, 2021.
10/2021	Story Generation with Commonsense Knowledge Graphs and Axioms. Common Sense Knowledge Bases (CSKB) workshop, Automated Knowledge Base Construction (AKBC) Conference. Workshop paper presentation. Online. October 8th, 2021.
06/2021	CSKG: The CommonSense Knowledge Graph. Extended Semantic Web Conference (ESWC) 2021. Conference paper presentation. Online. June 10th, 2021. Slides .
06/2021	Knowledge Graph-Based Housing Market Analysis. Knowledge Graph Construction workshop, Extended Semantic Web Conference (ESWC) 2021. Workshop paper presentation. Online. June 6th, 2021.
06/2021	

- Open Drug Knowledge Graph. Knowledge Graph Construction workshop, Extended Semantic Web Conference (ESWC) 2021. Workshop paper presentation. Online. June 6th, 2021.
- 05/2021 Building Agents with Common Sense. Knowledge-infused Learning workshop, Knowledge Graph Conference. Invited keynote. Online. May 3rd, 2021. [Slides](#).
- 04/2021 KGTK: A Knowledge Graph Toolkit for Exploiting Large Knowledge Graphs. The Web Conference 2021, Developers Track. Conference paper presentation. Online. April 22nd, 2021. [Slides](#).
- 04/2021 Building Agents with Common Sense. Distributed Artificial Intelligence group, King's College London, United Kingdom. Invited talk. Online. April 6th, 2021. [Slides](#).
- 02/2021 Commonsense Knowledge Acquisition and Representation. AAAI Conference on Artificial Intelligence. Tutorial. Online. February 3rd, 2021.
- 12/2020 Reasoning with Commonsense Knowledge Graphs. Turing NLP Research group, London, United Kingdom. Invited talk. Online. December 3rd, 2020. [Slides](#).
- 11/2020 Commonsense Knowledge Graphs (CSKGs). International Semantic Web Conference (ISWC). Tutorial. Online. November 2nd, 2020.
- 11/2020 KGTK: A Toolkit for High-Volume Knowledge Graph Manipulation. International Semantic Web Conference (ISWC), Research Track. Conference paper presentation. Online. November 3rd, 2021. [Slides](#).
- 11/2020 Commonsense Knowledge in Wikidata. Wikidata-20 workshop, co-located with the International Semantic Web Conference (ISWC). Workshop paper presentation. Online. November 2nd, 2021.
- 04/2020 Machine Common Sense and Other Quests at USC-ISI. NEC Labs, Germany. Invited talk. Online. April 20th, 2020.
- 08/2018 Systematic Study of Long Tail Phenomena in Entity Linking. COLING. Conference paper presentation. Santa Fe, NM, USA. August 21st, 2021. [Slides](#).
- 06/2018 SemEval-2018 Task 5: Counting Events and Participants in the Long Tail. International Workshop on Semantic Evaluation (SemEval-2018), co-located with NAACL 2018. Workshop task presentation. New Orleans, LA, USA. June 6th, 2018. [Slides](#).
- 06/2017 Hunger for Contextual Knowledge and a Road Map to Intelligent Entity Linking. Language, Data and Knowledge (LDK) conference. Conference paper presentation. Galway, Ireland. June 19th, 2017. [Poster](#).
- 11/2016 LOTUS: Adaptive Text Search for Big Linked Data. BNAIC conference. Conference abstract presentation. Amsterdam, The Netherlands. November 10th, 2016. [Poster](#).
- 11/2016 Moving away from semantic overfitting in disambiguation datasets. Workshop on Uphill Battles in Language Processing, co-located with EMNLP 2016. Workshop paper presentation. Austin, TX, USA. November 5th, 2016. [Poster](#).
- 05/2016 LOTUS: Adaptive Text Search for Big Linked Data. Extended Semantic Web Conference (ESWC). Conference paper presentation. Heraklion, Crete, Greece. May 31st, 2016. [Slides](#).
- 05/2016 Join the LOD Lab! Scale your Linked Data evaluations to the Web. Extended Semantic Web Conference (ESWC). Tutorial. Online. May 30th, 2016.
- 10/2015 LOTUS: Linked Open Text Unleashed. 6th International Workshop on Consuming Linked Data (COLLD), co-located with the International Semantic Web Conference (ISWC). Workshop paper presentation. Bethlehem, PA, USA. October 12th, 2015.
- 12/2015

A Look inside Babelfy: Examining the Bubble. Computational Linguistics in the Netherlands (CLiN). Conference abstract presentation. Amsterdam, The Netherlands. December 18th, 2015. [Slides](#).

02/2015 Named Entity Disambiguation with two-stage coherence optimization. Computational Linguistics in the Netherlands (CLiN). Conference abstract presentation. Antwerp, Belgium. February 6th, 2015. [Slides](#).

Teaching

04/2021 Building Knowledge Graphs (DSCI-558), Graduate course, University of Southern California, Guest lecturer, session “Commonsense Knowledge Graphs”.

10/2020 Text Analytics (ISE-540), Graduate course, University of Southern California, Guest lecturer, session “Knowledge Graphs”.

08/2020-12/2021 Building Knowledge Graphs (DSCI-558), Graduate course, University of Southern California, Lecturer.

05/2019-07/2019 Text Mining, Central Bureau for Statistics (CBS) Netherlands, Lab session coordinator.

05/2019 Knowledge Representation on the Web, Master course, Vrije Universiteit Amsterdam, Guest lecturer, session “KR and NLP: The curious case of entities”.

01/2019-03/2019 Text Mining, Bachelor course, Vrije Universiteit Amsterdam, Lecturer.

10/2017-01/2018 Python for Text Analysis, Master course, Vrije Universiteit Amsterdam, Lecturer.

10/2017-01/2018 Programming for Humanities and Social Sciences, Bachelor course, Vrije Universiteit Amsterdam, Lecturer.

10/2017-01/2018 Digital and Environmental Humanities, Master course, Vrije Universiteit Amsterdam, Lecturer.

10/2017 Databases, Master course, Rijksuniversiteit Groningen, Guest lecturer, session “NoSQL Databases”.

01/2016-03/2016 Information processing (Informatieverwerking), Bachelor course, Vrije Universiteit Amsterdam, Lecturer.

Professional Service

Reviewer. [ACM Symposium On Applied Computing \(SAC\)](#). 2022.

Reviewer. [International Joint Conference on Artificial Intelligence \(IJCAI\)](#). 2022.

Reviewer. [ACL Rolling Review](#). 2021.

Co-chair. [Workshop on Commonsense Knowledge Graphs \(CSKGs\)](#), co-located with the AAAI conference. 2021.

Guest editor. [Special Issue on Commonsense Knowledge and Reasoning](#). Semantic Web Journal (SWJ). 2021.

Reviewer. [Semantic Web Journal \(SWJ\)](#). 2021.

Reviewer. [Conference on Information and Knowledge Management \(CIKM\)](#). 2021.

Reviewer. [Conference on Empirical Methods in Natural Language Processing \(EMNLP\)](#). 2021.

- Reviewer.** The Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021). 2021.
- Reviewer.** ACM Conference on Hypertext and Social Media. 2021.
- Reviewer.** Extended Semantic Web Conference (ESWC). 2021.
- Reviewer.** ACM Symposium On Applied Computing (SAC). 2021.
- Reviewer.** AAAI Conference on Artificial Intelligence. 2021.
- Reviewer.** International Joint Conference on Artificial Intelligence (IJCAI). 2021.
- Reviewer.** Global Wordnet Conference (GWC). 2021.
- Reviewer.** Wikidata-21 workshop, co-located with the International Semantic Web Conference (ISWC). 2021.
- Reviewer.** Student Research Workshop (SRW), co-located with the Conference of the European Chapter of the Association for Computational Linguistics (EACL). 2021.
- Reviewer.** International Workshop on Semantic Evaluation (SemEval), co-located with ACL-IJCNLP. 2021.
- Reviewer.** Machine Learning Journal, Special Track on Learning and Reasoning. 2020.
- Reviewer.** Journal of Web Semantics (JWS), Special Issue on Language Technology and Knowledge Graphs, 2020.
- Reviewer.** The 1st Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 10th International Joint Conference on Natural Language Processing (AACL-IJCNLP). 2020.
- Reviewer.** International Conference on Computational Linguistics (COLING). 2020.
- Reviewer.** Conference on Information and Knowledge Management (CIKM). 2020.
- Reviewer.** Extended Semantic Web Conference (ESWC) 2020.
- Reviewer.** Language Resources and Evaluation Conference (LREC). 2020.
- Reviewer.** International Workshop on Semantic Evaluation (SemEval), co-located with COLING. 2020.
- Reviewer.** Journal of Natural Language Engineering. 2019-2020.
- Reviewer.** Biographical Data in a Digital World 2019 (BD2019). 2019.
- Reviewer.** Global Wordnet Conference (GWC). 2019.
- Organizer.** Counting Events and Participants within Highly Ambiguous Data covering a very long tail, SemEval-2018 competition, co-located with NAACL. 2018.
- Reviewer.** International Conference on Computational Linguistics (COLING) (listed as 'outstanding reviewer'). 2018.
- Reviewer.** SEMANTiCS conference. 2018.
- Reviewer.** International Workshop on Semantic Evaluation (SemEval), co-located with NAACL. 2018.
- Reviewer.** Joint Conference on Lexical and Computational Semantics (*SEM), co-located with NAACL. 2018.
- Reviewer.** Journal on Data Science: Methods, Infrastructure, and Applications. 2017.
- Reviewer.** Biographical Data in a Digital World (BD) conference. 2017.
- Reviewer.** Language, Data and Knowledge (LDK) conference. 2017.
- Sub-reviewer.** Extended Semantic Web Conference (ESWC). 2017.
- Reviewer.** European Summer School in Logic, Language and Information (ESSLLI). 2017.
- Co-chair.** 2nd Spinoza Workshop: Looking at the Long Tail. 2016.

Reviewer. [Information Processing and Management journal](#). 2016.

Sub-reviewer. [International Conference on Computational Linguistics \(COLING\)](#). 2016.

Reviewer. [SEMANTiCS conference](#). 2016.

Reviewer. [Workshop on Open Knowledge Base Question Answering \(OKBQA\)](#), co-located with COLING. 2016.

Reviewer. [#Microposts2016: Making Sense of Microposts, NEEL 2016 challenge](#). 2016.

Reviewer. [Computational Linguistics in the Netherlands \(CLiN\) conference](#). 2015.

Reviewer. [NLP Applications: completing the puzzle Workshop](#). 2015.

Technical skills

- **Specialties:** Commonsense Reasoning, Knowledge Graphs, Information Extraction, Semantic Web, Machine Learning, Language Modeling, Knowledge Integration
- **Languages:** Python, Java, Node.js, HTML/Javascript/CSS, C#, Matlab, R, C, C++
- **Systems, Tools, and Packages:** SciKit Learn, t-SNE, Sentence-transformer, graph-tool, NetworkX, TensorFlow, SpaCy, NLTK, Jupyter Notebooks, Pandas, Matplotlib
- **Databases:** SQL, Neo4j, Elasticsearch, Redis, Couchbase, MongoDB, Semantic Web technologies (RDF, SPARQL, ontologies)

Other Experience

- Volunteer at [HackYourFuture](#), teaching refugees to code
- Participation in various civil and student NGOs in Europe: EESTEC, IAESTE, Youth Cultural Center (MKC) Bitola

Languages (CEFR levels)

- **Macedonian** Native speaker
- **English** C2
- **Serbocroatian** C1
- **Dutch** B1
- **Spanish** A2
- **German** A1