

Yadollah Yaghoobzadeh

University of Tehran

y.yaghoobzadeh@ut.ac.ir

Work Experiences

- **University of Tehran** Tehran, Iran
Assistant Professor, Electrical and Computer Engineering Faculty Dec. 2020 - Now
- **Microsoft Research** Montreal, Quebec, Canada
Senior Researcher in NLP and Deep Learning Nov. 2017 - Now
- **FANAP** Tehran, Iran
Software Developer Jun. 2010 - Jul. 2013

University Educations

- **LMU Munich** Munich, Germany
PhD in Natural Language Processing (NLP) Feb. 2014 - Sep. 2017
 - Dissertation: Distributed representations for fine-grained entity typing
 - Supervisor: Prof. Hinrich Schütze
 - Dissertation grade: magna cum laude
- **Sharif University of Technology** Tehran, Iran
MSc. in Computer Engineering Sep. 2010 - Jan. 2013
 - Final project: Automatic event extraction in Persian text
 - Supervisor: Dr. Gholamreza Ghassem-sani
 - GPA: 18.64/20 (passed all taken courses with grade A or A+)
- **University of Tehran** Tehran, Iran
BSc. in Computer Engineering Sep. 2006 - Aug. 2010
 - Final project: Implementing a partial parser using super tagger
 - Supervisor: Dr. Hesham Faili
 - GPA: 16.48/20

Internships

- **Intuit Inc.** Mountain View, California, USA
Data science Oct. 2016 - Jan. 2017

Research Interests

- Natural language processing, especially focusing on how to learn and understand neural representations for words, entities, and other language units.
- Learning more robust deep learning models

Journal Publications

- Corpus-level Fine-grained Entity Typing, 2018, *Journal of Artificial Intelligence Research (JAIR)*, vol. 61, Yadollah Yaghoobzadeh, Heike Adel and Hinrich Schütze.
- Quantifying the Contextualization of Word Representations with Semantic Class Probing, *Findings of the Association for Computational Linguistics: EMNLP 2020*, Mengjie Zhao, Philipp Dufter, Yadollah Yaghoobzadeh, and Hinrich Schütze.
- ParsiNLU: A Suite of Language Understanding Challenges for Persian, *TACL 2020*, Daniel Khashabi, Arman Cohan, Siamak Shakeri, Pedram Hosseini, Pouya Pezeshkpour, Malihe Alikhani, Moin Aminnaseri, M. Bitaab, Faeze Brahman, Sarik Ghazarian, Mozhdeh Gheini, Arman Kabiri, Rabeeh Karimi Mahabadi, Omid Memarrast, Ahmadreza Mosallanezhad, Erfan Noury, Shahab Raji, Mohammad Sadegh Rasooli, Sepideh Sadeghi, Erfan Sadeqi Azer, Niloofer Safi Samghabadi, Mahsa Shafaei, Saber Sheybani, Ali Tazarv, Yadollah Yaghoobzadeh.

Peer-reviewed Conference Publications

- Loss-Aware Pattern Inference: A Correction on the Wrongly Claimed Limitations of Embedding Models, (*PAKDD 2020, long paper*), Mojtaba Nayyeri, Chengjin Xu, Yadollah Yaghoobzadeh, Sahar Vahdati, Mirza Mohtashim Alam, Hamed Shariat Yazdi, Jens Lehmann.
- Increasing Robustness to Spurious Correlations using Forgettable Examples, (*EACL 2021, long paper*), Yadollah Yaghoobzadeh, Soroush Mehri, Remi Tachet des Combes, Timothy J. Hazen, Alessandro Sordani.
- Probing for Semantic Classes: Diagnosing the Meaning Content of Word Embeddings, (*ACL 2019, long paper*), Yadollah Yaghoobzadeh, Katharina Kann, T.J. Hazen, Eneko Agirre, and Hinrich Schütze.
- Multi-Multi-View Learning: Multilingual and Multi-Representation Entity Typing, 2018, (*EMNLP 2018, short paper*), Yadollah Yaghoobzadeh and Hinrich Schütze.
- Recurrent One-Hop Predictions for Reasoning over Knowledge Graphs, 2018, *Proc. of the 27th International Conference on Computational Linguistics (COLING 2018, long paper)*, Wenpeng Yin, Yadollah Yaghoobzadeh, Hinrich Schütze.
- Multi-level Representations for Fine-Grained Typing of Knowledge Base Entities, 2017, *Proc. of the 15th European Chapter of the Association for Computational Linguistics (EACL 2017, long paper)*, Yadollah Yaghoobzadeh and Hinrich Schütze.
- Noise Mitigation for Neural Entity Typing and Relation Extraction, 2017, *Proc. of the 15th European Chapter of the Association for Computational Linguistics (EACL 2017, long paper)*, Yadollah Yaghoobzadeh, Heike Adel and Hinrich Schütze.
- Intrinsic Subspace Evaluation of Word Embedding Representations, 2016, *Proc. of the 54th Annual Meeting of the Association for Computational Linguistics (ACL 2016, long paper)*, Yadollah Yaghoobzadeh and Hinrich Schütze.
- Corpus-level Fine-grained Entity Typing Using Contextual Information, 2015, *Proc. of Conference on Empirical Methods in Natural Language Processing (EMNLP 2015, long paper)*, Yadollah Yaghoobzadeh and Hinrich Schütze.
- Temporal Relation Classification in Persian and English contexts, 2013, *Proc. of the Recent Advances of Natural Language Processing (RANLP 2013, long paper)*, Mahbaneh Eshaghzadeh Torbati, Gholamreza Ghassem-Sani, Seyed Abolghasem Mirroshandel, Yadollah Yaghoobzadeh and Negin Karimi Hosseini.
- ISO-TimeML Event Extraction in Persian Text, 2012, *Proc. of 24th International Conference on Computational Linguistics (COLING 2012, long paper)*, Yadollah Yaghoobzadeh, Gholamreza Ghassem-Sani, Seyed Abolghasem Mirroshandel and Mahbaneh Eshaghzadeh.

Peer-reviewed Workshop Publications

- Evaluating Word Embeddings in Multi-label Classification Using Fine-grained Name Typing, 2018, *Proc. of The Third Workshop on Representation Learning for NLP, short paper*, Yadollah Yaghoobzadeh, Katharina Kann, Hinrich Schütze.
- Unsupervised Domain Adaptation of Contextual Embeddings for Low-Resource Duplicate Question Detection, 2018, *Life Long Learning for Spoken Language Systems Workshop at ASRU 2019*, Yadollah Yaghoobzadeh, Alexandre Rochette and Timothy Hazen.

Honors & Awards

- 2018: Recognition (an area chair favorite) from COLING 2018 conference for the paper "Recurrent One-Hop Predictions for Reasoning over Knowledge Graphs"
- 2011: Received MS thesis grant from Iran Telecommunication Research Center (ITRC)

- 2010: Ranked 25th in National Entrance Exam for MSc. Studies in Computer Engineering, with nearly 8'000 participants
- 2006: Top 0.2% of the Nationwide University Entrance Exam in Physics and Mathematics, with nearly 323,000 participants

Professional Activities

- Area chair for Lexical Semantics track at ACL 2021.
- Remote presentation co-chair at ACL 2021.
- Organizing 2nd version of SCLeM (Subword and Character LEvel Models in NLP) workshop at NAACL 2018, New Orleans, USA.
- Organizing SCLeM (Subword and Character LEvel Models in NLP) workshop at EMNLP 2017, Copenhagen, Denmark, Sep. 2017.
- Program committee: ACL, EMNLP, AACL, EACL, NAACL, COLING, CIKM, LREC, Rep4NLP.

Teaching Experiences

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| • Artificial Intelligence
<i>University of Tehran</i> | Co-instructor
<i>Spring 2021</i> |
| • Natural Language Processing
<i>University of Tehran</i> | Co-instructor
<i>Spring 2021</i> |
| • Computational Linguistic Seminar
<i>CIS, LMU Munich, Instructor: Dr. Hinrich Schütze</i> | Teaching Assistant
<i>Fall 2015/16</i> |
| • Information Retrieval
<i>CIS, LMU Munich, Instructor: Dr. Hinrich Schütze</i> | Teaching Assistant
<i>Fall 2014/15</i> |
| • Web Programming
<i>Sharif University of Technology, Instructor: Dr. Ramtin Khosravi</i> | Teaching Assistant
<i>Spring 2012/13</i> |
| • Natural Language Processing
<i>Sharif University of Technology, Instructor: Dr. Gholamreza Ghassem-Sani</i> | Teaching Assistant
<i>Spring 2012/13</i> |
| • Performance Evaluation of Computer Systems
<i>Sharif University of Technology, Instructor: Dr. Ali Movaghar</i> | Teaching Assistant
<i>Fall 2011/12</i> |

Languages

English: Full professional proficiency

German & Arabic: Elementary proficiency

Persian: Native