

Yadollah Yaghoobzadeh

Microsoft Research
Montreal, Canada

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Work Experiences

- **Microsoft Research** Montreal, Quebec, Canada
Senior Researcher in NLP and Deep Learning Nov. 2017 - Now
- **CIS, LMU Munich** Munich, Germany
Research Assistant in NLP Feb. 2014 - Oct. 2017
- **FANAP** Tehran, Iran
Software Developer Jun. 2010 - Jul. 2013

Internships

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

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

Research Interests

- Representation Learning
- Domain Adaptation
- Deep Learning
- Information Extraction
- Natural Language Processing

Journal Publications

Corpus-level Fine-grained Entity Typing, 2018, *Journal of Artificial Intelligence Research (JAIR)*, vol. 61, Yadollah Yaghoobzadeh, Heike Adel and Hinrich Schütze.

Probing Tasks for Word Embedding Evaluation, 2019, *Under Review for Language Resources and Evaluation (LREV)*

Peer-reviewed Conference Publications

- 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)
- 2011: Ranked among top 10% students in the first year of MSc study, with GPA 18.55/20
- 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

- Organizing 2nd version of SCLeM (Subword and Character LLevel Models in NLP) workshop at NAACL 2018, New Orleans, USA.
- Organizing SCLeM (Subword and Character LLevel Models in NLP) workshop at EMNLP 2017, Copenhagen, Denmark, Sep. 2017
- Program committee: ACL, EMNLP, ICIKM, COLING, NAACL, LREC, Rep4NLP

Skills

- Programming Languages: Java, Python, C/C++
- Machine Learning Softwares: Pytorch, Theano, SciPy
- Operating Systems: Linux, OS X, Windows
- Others: Eclipse, J2EE, SVN, Git, Hibernate, Spring, Oracle, MySQL, LaTeX, NLTK

Teaching Experiences

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

Languages

English: Full professional proficiency

German & Arabic: Elementary proficiency

Persian: Native