Yadollah Yaghoobzadeh

Microsoft Research

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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, *(Accepted at 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 Dete 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 Caracter LEvel Models in NLP) workshop at NAACL 2018, New Orleans, USA.

- Organizing SCLeM (Subword and Caracter LEvel Models in NLP) workshop at EMNLP 2017, Copenhagen, Denmark, Sep. 2017

- Program committee: ACL, EMNLP, COLING, NAACL, LREC

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

- **Computational Linguistic Seminar** — Teaching Assistant
  CIS, LMU Munich, Instructor: Dr. Hinrich Schütze — *Fall 2015/16*

- **Information Retrieval** — Teaching Assistant
  CIS, LMU Munich, Instructor: Dr. Hinrich Schütze — *Fall 2014/15*

- **Web Programming** — Teaching Assistant
  Sharif University of Technology, Instructor: Dr. Ramtin Khosravi — *Spring 2012/13*

- **Natural Language Processing** — Teaching Assistant
  Sharif University of Technology, Instructor: Dr. Gholamreza Ghassem-Sani — *Spring 2012/13*

- **Performance Evaluation of Computer Systems** — Teaching Assistant
  Sharif University of Technology, Instructor: Dr. Ali Movaghar — *Fall 2011/12*

Languages

English: Full professional proficiency

German & Arabic: Elementary proficiency

Persian: Native