Homa B. Hashemi

	PhD candidatePhone: +1-412-204-7117Intelligent Systems ProgramE-mail: Hashemi@cs.pittUniversity of Pittsburghpeople.cs.pitt.edu/~hashe		
Research Interests	Natural Language ProcessingMachine LearningInformation Retrieval		
Education	University of Pittsburgh, Pittsburgh, PAAug. 2011 - Dec.Ph.D., Intelligent Systems Program• Dissertation: Robust Parsing for Ungrammatical Sentences• Adviser: Dr. Rebecca Hwa	2017	
	University of Pittsburgh, Pittsburgh, PAAug. 2011 - Apr.M.S., Intelligent Systems Program• Adviser: Dr. Rebecca Hwa	2014	
	University of Tehran, Tehran, IranSept. 2008 - Feb. 2011M.S., School of Electrical and Computer Engineering• Thesis: Using Comparable Corpora for English-Persian Cross Language Information Retrieval• Adviser: Dr. Azadeh Shakery		
	 Iran University of Science and Technology (IUST), Tehran Sept. 2002 - Mar. B.S., School of Computer Engineering Thesis: Modeling Reconfiguration in Pervasive Computing Environments Adviser: Dr. Mohsen Sharifi 	2007	
Work Experience	MModal Inc., Pittsburgh, PA USA Summer Intern, June-Aug. • Word sense disambiguation using recurrent neural networks	2016	
	Yahoo! Inc., Sunnyvale, CA USASummer Intern, July-Aug.• Query intent detection using convolutional neural networks	2015	
	 Fluential Inc., Sunnyvale, CA USA Domain specific spell checker and short text categorization using classification 	2013	
	Learning Research and Development Center, University of PittsburghMay-June 2013• Providing a tool to compare students' first and second drafts of papers		
	Kishware Co. (Tosan Co.), Tehran, IranApr-July• Software engineer and developer of mobile banking applicationApr-July	2011	
	Iran Telecommunication Research Center (ITRC)June-Oct.• Research on creating a standard Web test collection for .ir domainJune-Oct.	2009	
	Kishware Co. (Tosan Co.), Tehran, IranJuly 2007-Feb.• Software engineer and J2EE Developer of modern banking systems	2009	
Publications	 Homa B. Hashemi, Rebecca Hwa. Jointly Parse and Fragment Ungrammatical Sentences. Thirty-Second AAAI Conference on Artificial Intelligence (AAAI), 2018. 		
	[2] Fan Zhang, Homa B. Hashemi, Rebecca Hwa, Diane Litman. A Corpus of Annotate visions for Studying Argumentative Writing. Association for Computational Ling (ACL), 2017.		

[3] Fan Zhang, Rebecca Hwa, Diane J Litman, Homa B. Hashemi. ArgRewrite: A Web-based Revision Assistant for Argumentative Writings. North American Chapter of the Association for Computational Linguistics (HLT-NAACL Demonstrations), 2016.

- [4] Homa B. Hashemi, Rebecca Hwa. An Evaluation of Parser Robustness for Ungrammatical Sentences. Empirical Methods in Natural Language Processing (EMNLP), 2016.
- [5] Homa B. Hashemi, Rebecca Hwa. Parse Tree Fragmentation of Ungrammatical Sentences. International Joint Conference on Artificial Intelligence (IJCAI), 2016.
- [6] Homa B. Hashemi, Amir Asiaee, Reiner Kraft. Query Intent Detection using Convolutional Neural Networks. International Conference on Web Search and Data Mining, Workshop on Query Understanding, 2016.
- [7] Homa B. Hashemi, Rebecca Hwa. A Comparison of MT Errors and ESL Errors. 9th Language Resources and Evaluation Conference (LREC), 2014.
- [8] Homa B. Hashemi, Christian D. Schunn. A Tool for Summarizing Students' Changes across Drafts. 12th International Conference on Intelligent Tutoring Systems (ITS), 2014.
- [9] Homa B. Hashemi, A. Shakery. Mining a Persian-English Comparable Corpus for Cross-Language Information Retrieval. Information Processing & Management journal, 2013.
- [10] Zahra Rahimi, Homa B. Hashemi. Turn-Taking Behavior in Human Tutoring Corpus. 16th International Conference on Artificial Intelligence in Education (AIED), 2013.
- [11] Homa B. Hashemi, A. Shakery, H. Faili. Creating a Persian-English Comparable Corpus. Conference on Multilingual and Multimodal Information Access Evaluation (CLEF), 2010.
- [12] Homa B. Hashemi, N. Yazdani, A. Shakery, M. Pakdaman Naeini. Application of Ensemble Models in Web Ranking. International Symposium on Telecommunications (IST), 2010.
- [13] M. Pakdaman Naeini, H. Taremian, Homa B. Hashemi. Stock Market Value Prediction using Neural Networks. Computer Information Systems and Industrial Management Applications, 2010.
- [14] Homa B. Hashemi, A. Shakery, M. Pakdaman Naeini. Protein Fold Pattern Recognition Using Bayesian Ensemble of RBF Neural Networks. *International Conference of Soft Computing* and Pattern Recognition, 2009.

Awards

- Best graduate poster award, CS day, University of Pittsburgh, 2012.
- Arts and Sciences (A&S) Fellowship, University of Pittsburgh, 2011-2012.
- Ranked first among graduate students at University of Tehran, 2011.
- Iran Telecommunication Research Center (ITRC) Research Award, 2009.

Reviewer

- Conference on Computational Natural Language Learning (CoNLL) (2017)
 - NIPS Workshop on Machine Learning for Health (ML4H) (2017)
 - Workshop on Innovative Use of NLP for Building Educational Applications (BEA) (2017)
- Workshop on NLP Techniques for Educational Applications (NLPTEA) (2017)
 - Language Resources and Evaluation (LREV) journal (2015)

Major Graduate Courses	 University of Pittsburgh Machine Learning Advanced Topics in NLP Natural Language Processing Design and Analysis of Algorithms Carnegie Mellon University Machine Translation 	 University of Tehran Information Retrieval Data mining Advanced Software Engineering Advanced Database systems 	
Programming Skills	 Java (J2EE, J2SE, J2ME, Servlet, JSP, Hibernate), Python, C#.NET, Matlab, C, C++ TensorFlow, LibLinear, Stanford NLP packages, Weka, MySQL, Oracle 		
Languages	Persian: Native , English: Fluent , Arabic: Famili	iar	