

EDUCATION

M.Sc. in Computer Science University of Alberta , Edmonton, Alberta, Canada Supervisor: Dr. Greg Kondrak	2018 – 2020
B.Sc. in Computer Software Engineering Amirkabir University of Technology (Tehran Polytechnic) , Tehran, Iran	2013 – 2018

PUBLICATIONS & SUBMITTED PAPERS

2020 Amir Ahmad Habibi AliAkbar Badri Saeedeh Momtazi Types for Topics and Topics for Types: A Joint Question Type-Topic Classification in Community Question Answering submitted	
2020 Amir Ahmad Habibi Bradley Hauer Grzegorz Kondrak Homonymy and Polysemy Detection with Multilingual Information Global WordNet Conference (accepted)	
2020 Amir Ahmad Habibi Using Translations to Distinguish Between Homonymy and Polysemy [link] M.Sc. Thesis.	
2020 Bradley Hauer Amir Ahmad Habibi Yixing Luan Arnob Mallik Grzegorz Kondrak UAlberta at SemEval-2020 Task 2: Using translations to predict cross-lingual entailment [link] Proceedings of the Fourteenth Workshop on Semantic Evaluation, 263-269.	
2020 Amir Ahmad Habibi Charles Kemp Yang Xu Chaining and the Growth of Linguistic Categories [link] Cognition, 202, p.104323.	
2020 Bradley Hauer Amir Ahmad Habibi Yixing Luan Arnob Mallik Grzegorz Kondrak Low-Resource G2P and P2G Conversion with Synthetic Training Data [link] Proceedings of the 17th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology.	
2019 Bradley Hauer Amir Ahmad Habibi Yixing Luan Rashed Rubby Riyadh Grzegorz Kondrak Cognate Projection for Low-Resource Inflection Generation [link] Proceedings of the 16th Workshop on Computational Research in Phonetics, Phonology, and Morphology, pages 6-11, Florence, Italy.	

TEACHING ASSISTANTSHIP

Intro to Foundations of Computation II CS dep., University of Alberta	Fall 2018, Winter & Fall 2019, Winter 2020
Design of Algorithms Course CS dep., Amirkabir University of Technology	Winter-Spring 2017
Advanced Computer Programming Course CEIT dep., Amirkabir University of Technology	Winter-Spring 2017
Design of Programming Languages Course CEIT dep., Amirkabir University of Technology	Fall 2016
Operating Systems Design Course CEIT dep., Amirkabir University of Technology	Fall 2016

TOP ACADEMIC COURSE PROJECTS

Fall 2018 | Bilingual Lexicon Induction on Low-Resource Languages
Working with parallel corpora and word embeddings using Python, *Natural Language Processing*

Spring 2017 | Unsupervised Learning: Association Rule Mining
Regression, Classification etc. using Python and RapidMiner, *Foundations of Data Mining*

Fall 2016 | Design and implementation of a smart Pacman agent
Local search algorithms, Optimization algorithms like GA using Python, *Artificial Intelligence*

Spring 2016 | Design and implementation of a simple healthcare database system
Using MySQL and Python, *Principles of Database Design*

Fall 2015 | Process Migration on XV6, Process scheduling and Pipeline
Using C, *Operating Systems*

Fall 2015 | Implementation of the MIPS architecture
Using VHDL, *Computer Architecture Lab*

Spring 2015 | Design and implementation of a basic search engine
TF-IDF, Clustering and Searching in text using Java, *Data Storage and Retrieval*

Spring 2014 | Implementation of a 2D strategic game with multi-player support
Multi-threading using Java, *Advanced Computer Programming*

OTHER EXPERIENCE AND SKILLS

Dev Stack:
Python, Java, C/C++, Also familiar with MySQL and Microsoft SQL Server

Natural Language Processing & Data Analysis Tools and Frameworks:
NLTK, Scikit-learn, SciPy, NumPy, Pandas, NetworkX, Gensim, fast_align, Weka, Meka, GENIA

Resources and Datasets worked with:
BabelNet, WordNet, Google Ngrams, MultiWordNet, MultiSemCor, EuroParl, OPUS

Reviewed for:
EMNLP 2019, ACL 2020, IJCAI 2020, SIGMORPHON 2020, *SEM 2020