Ahmet Üstün

Computational Linguistics,
Center for Language and Cognition
University of Groningen
Netherlands
a.ustun@rug.nl
ahmetustun.github.io

Interests

Computational Linguistics, Natural Language Processing, Deep Learning, Machine Learning, Multilingual NLP, Morphology

Education

PhD in Computational Linguistics
2018 - 2022
University of Groningen, CLCG, Netherlands
Supervisor: Dr. Gosse Bouma, Prof. Dr. Gertjan van Noord,

PhD in Cognitive Science
2017 - 2018
Middle East Technical University, Turkey
Thesis Advisor: Prof. Dr. Cem Bozşahin

MSc in Cognitive Science
2015 - 2017
Middle East Technical University, Turkey
Thesis Advisor: Prof. Dr. Cem Bozşahin
Thesis Title: Probabilistic Learning Of Turkish Morphosemantics By Latent Syntax

BSc in Electrical and Electronic Engineering
2007 - 2014
Middle East Technical University, Turkey
Project Advisor: Dr. Afşar Saranlı

Research Experience & Activities

Research Visit
Dec 2019 (2 Weeks)
ITU Copenhagen, Denmark
Title: Multi-Task Sequence Learning for Syntax
Supervisor: Prof. Barbara Plank, Dr. Rob van der Goot

Research Intern
Nov 2017 - Mar 2018
University of Edinburgh, United Kingdom
Title: Web Portal Development, Structuring Discourse in Multilingual Europe
Supervisor: Prof. Bonnie Webber

Project Researcher
Jan 2017 - Dec 2017
Middle East Technical University, Turkey
Title: New Semantic Annotations in Turkish Discourse Bank: Attributions
Supervisor: Prof. Deniz Zeyrek Bozşahin

Project Researcher   Dec 2015 - Oct 2017
Hacettepe University, Turkey
Title: Unsupervised Joint Learning of Morphology and Syntax in Turkish
Supervisor: Prof. Burcu Can Buğlalılar

Work Experience

Co-Founder, NLP Engineer   Oct. 2017 - 2018
Comind AI, Turkey

Research and Development Engineer   July 2014 - Oct. 2017
Cybersoft Information Technologies, Turkey

Grants

Technological Entrepreneurship Support Program for R&D Projects   Sep 2017
The Scientific and Technological Research Council of Turkey
Project Title: Conversational Foreign Language Learning Platform for Children

Computer Skill

Python (PyTorch, Keras), Java, C/C++, SQL, Matlab

Linux, Unix, Aws, Docker, Kubernetes, Openstack

Publications

Ahmet Üstün, Burcu Can *"Incorporating Word Embeddings in Unsupervised Morphological Segmentation" Natural Language Engineering, 2019* (to appear)

Tommaso Caselli, *Ahmet* Üstün. "*There and Back Again: Cross-Lingual Transfer Learning for Event Detection" Proceedings of the Sixth Italian Conference on Computational Linguistics, CLIC-it 2019* [pdf](pdf)

Ahmet Üstün, Gosse Bouma and Gertjan van Noord. "*Cross-Lingual Word Embeddings for Morphologically Rich Languages" Proceedings of the International Conference Recent Advances in Natural Language Processing, RANLP 2019* [pdf](pdf)

Ahmet Üstün, Rob van der Goot, Gosse Bouma and Gertjan van Noord. 2019. "*Multi-Team: A Multi-attention, Multi-decoder Approach to Morphological Analysis" 16th Workshop on Computational Research in Phonetics, Phonology, and Morphology, 2019, hosted by ACL 2019* [pdf](pdf)

Ahmet Üstün, Murathan Kurfalı, and Burcu Can. *"Characters or Morphemes: How to Represent Words?" 3nd Workshop on Representation Learning for NLP, hosted by ACL 2018*
(best paper award) [pdf](pdf)

Murathan Kurfalı, Ahmet Üstün, and Bonnie Webber. *"TextLink Web Portal" Final Action Conference, TextLink 2018* [pdf](pdf)

Ahmet Üstün, *"Probabilistic Learning Of Turkish Morphosemantics By Latent Syntax" Master's Thesis, Cognitive Science, Middle East Technical University, Turkey* [pdf](pdf)

Murathan Kurfalı, Ahmet Üstün, and Burcu Can. *"A Trie-Structured Bayesian Model for Unsupervised Morphological Segmentation." In Proceedings of the 18th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing 2017)* [pdf](pdf)

Ahmet Üstün, and Burcu Can. *"Unsupervised Morphological Segmentation Using Neural Word Embeddings." International Conference on Statistical Language and Speech Processing. Springer International Publishing, 2016* [pdf](pdf)

Burcu Can, Ahmet Üstün, and Murathan Kurfalı. *"Turkish PoS Tagging by Reducing Sparsity with Morpheme Tags in Small Datasets." In Proceedings of the 17th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing 2016)* [pdf](pdf)