Merve Ünlü

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Education

2019 – Current **PhD**, *Computer Science, Boğaziçi University*, Istanbul, Turkey,
Topic: Natural Language Processing, Question Answering,
Advisors: Ebru Arisoy Saraçlar and Arzucan Özgür.

2016–2019 **Master**, *Computer Science, Boğaziçi University*, Istanbul, Turkey,
Thesis: Deep Learning Methods for Spoken Question Answering
Advisors: Ebru Arisoy Saraçlar and Arzucan Özgür.

2013–2014 **Master 2**, *Computer Science, Ecole Normale Superiéur*, Lyon, France,
Thesis: In Silico Experimental Evolution and Parallelism using MPI.
Scholarship by INRIA-French Institute for Research in Computer Science and Automation

2010–2011 **Erasmus Programme**, *Computer Engineering,*
Institut National Sciences Appliquées, Lyon, France.

2007–2012 **License**, *Computer Engineering, Galatasaray University*, Istanbul,
Project: Development of a mobile application to build a communication between Cloud and wearable device.
Scholarship sponsored by Galatasaray Education Foundation

Experience

2014 – Current **Research/Teaching Assistant**, *Galatasaray University*, Turkey.
Teaching assistant for undergraduate courses: *Algorithms and Advanced Programming, Parallel Programming, Introduction to Computer Engineering*

Febr-Jul 2014 **Intern**, *Inria-Beagle*, Lyon.
The parallelisation Aevol, developped by the members of Beagle to simulate the bacterial evolution using MPI library in C

2012–2013 **Developer**, *Arskom Software and IT*, Istanbul.
Accounting Software was developed using an OpenSource project, Spyne in Python

Summer 2011 **Intern**, *Siemens Enterprise Communications*, Ankara.
Commication Systems on mobile devices, developing a source management system

Summer 2010 **Intern**, *Baymak*, Istanbul.
IT Department – Information Technlogies

Publications

2021   Ünlü, Merve, Ebru Arisoy. "Uncertainty-Aware Representations for Spoken Question Answering" IEEE Workshop on Spoken Language Technology (SLT) 2021

2019   Ünlü, Merve, Ebru Arisoy, and Murat Saraçlar. "Question answering for spoken lecture processing." IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2019.

2019   Ünlü, Merve, Ebru Arisoy, and Murat Saraçlar. "A Question Answering System for Spoken Lectures in Turkish" IEEE 27th Signal Processing and Communications Applications Conference (SIU), 2019

Research Interest

Natural Language processing, Deep learning, Speech Processing, Dialog Systems, Spoken and Textual Question Answering, Transfer Learning

Skills

Computer   Latex, C, C++, Python, Matlab, Numpy, Seaborn, Keras, Pytorch, Spacy, HTML-CSS, Javascript

Languages   Turkish (native), French (DELF B2), English (TOEFL 95)

Entertainment & Activities

○ Participation of Parachut Training, organized by the Turkish Aeronautical Association
○ Handmade jewelry crafting and design, painting