

Ekin Akyürek

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EDUCATION

Koç University , College of Engineering, Istanbul Electrical & Electronics Engineering	2013-Present
Koç University , College of Science, Istanbul Physics	2015-Present
Cum GPA: 4.07/4.30	
Full-Merit Scholarship, Koç University, 2013-2018	
TUBITAK Undergraduate Scholarship, Ankara, 2013-2018	

HONORS & AWARDS

Best Senior Design Award – Koç University	2018
Intel – AI Student Ambassador	2017
HULT Prize – Regional Finalist – London	2016
TUBITAK UAV Competition - Best Design Award – Istanbul	2016
Istanbul Technical University Star Wars Robotics Competition - 2 nd Place	2016
International Physics Olympiad - Bronze Medal – Denmark	2013

WORK & RESEARCH EXPERIENCE

Research: Computer Science & Artificial Intelligence Laboratory , MIT	July 2018-Present
- Working on a matrix formalization of back-propagation	
- Developing deep learning models for visual dialog task on top of MAC Networks	
- Contributing open-source deep learning tool Knet.jl	
Research: Artificial Intelligence Laboratory , Koç University	July 2017-Present
- Obtained state of the art results in morphological disambiguation task.	
- Designed deep learning architectures for morphological analyses and disambiguation in agglutinative languages.	
Research: Research Center for Creative Industries , Arçelik & Koç University	Sept 2016-Present
-Designed and programmed a prototype of interactive mug with speech recognition an AI capabilities.	
-Gesture recognition for browsing, keyword extraction via speech for content search.	
Internship: Digital Design Engineer , Aselsan, Ankara	June 2017-July 2017
-Designed an interface on an FPGA board that drives specific IC circuits which are used in wireless communication.	
Internship: Software Developer Intern , Balfis-LLC, Austin/TX	June 2016-August 2016
-Created a Django web server for company's cross-platform mobile application.	
Work: Full-Stack Developer , Molocate, Istanbul	Jan. 2016-August 2016
-UI developer in IOS native platform.	
Research: Optical Microsystems Laboratory , Koç University	Feb. 2014-Jan. 2016
-Designed an electro-mechanical system to take photos for 3D imaging.	

PUBLICATIONS

Börütecene, A., Bostan, İ., Akyurek, E., Sabuncuoğlu, A., Temuzkuşu, İ., Genç, Ç., Göksun, T., Özcan, O. (2018). Through the **Glimpse Mug: A Familiar Artefact to Support Opportunistic Search in Meetings**. In Proceedings of the 12th International Conference on Tangible, Embedded and Embodied Interaction (TEI '18). ACM, New York, NY, USA. (accepted)

Akyurek, E., Dayanık, E., Yuret, D., **MorphNet: A Sequence-to-Sequence Model That Combines Morphological Analysis and Disambiguation**. TACL (status: revise and resubmit)

EXTRACURRICULAR ACTIVITIES

IEEE Student Branch, Advisor, Chairman at Robotics & Automation Society (RAS)

2014-Present

-Organization of trainees and workshops in IOT and Robotics areas. Leading the [Drone.Net](#) project w. the RAS team.
-Organization of "An Idea A Company" event, focusing on success stories in entrepreneurship, for 2 years. Resulted with IEEE Global Platinum Level Darrel Chong Award.

Make A Wish Turkey, Volunteer

2013-Present

-Working for children with life threatening diseases by making their utmost dreams come true.

Koç University Cycling Club

2014-Present

SKILLS

Computer: Python, Julia, Java, MATLAB, C++, JavaScript, Swift, PHP, Ionic. Ref: github.com/ekinakyurek

Electronics: DSP, Digital Video Processing, Circuit simulation with Spice, PCB design, FPGAs, Microcontrollers, VHDL