

DUYGU SEZEN ISLAKOGLU

Utrecht, Netherlands

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EDUCATION

Doctor of Philosophy, Computer Science , Utrecht University, Netherlands	Oct 2021 – Sep 2026
<ul style="list-style-type: none">Research interests: Knowledge representation learning, large language models<i>Oxford Machine Learning Summer School, ACM Summer School on Data Science</i>	
Master of Science, Artificial Intelligence , KU Leuven, Belgium	Sept 2020 - June 2021
Bachelor of Science, Computer Engineering , Koc University, Turkey	Sept 2015 - June 2020
<ul style="list-style-type: none"><i>Data Analytics Track</i>	
Bachelor of Science, Mathematics , Koc University, Turkey	Feb 2017 - June 2020

SKILLS

Technical Skills	Python, PyTorch, TensorFlow, pandas, numpy, scikit-learn
Experience with Languages	C/C++, Java, R, MATLAB, Julia, LISP, SPARQL, SQL, Prolog Turkish (Native), English (Advanced), Dutch (Beginner)

EXPERIENCE

Co-founder , epoka, Istanbul	June 2020 - Aug 2022
<ul style="list-style-type: none">Founded a startup, epoka, specializing in B2B services and led a team in developing state-of-the-art deep learning methods to virtually and realistically replace furniture	
Machine Learning Engineer , parkpilot, Istanbul	July 2020 - Sept 2020
<ul style="list-style-type: none">Used YOLO and SORT algorithms to count the number of vehicles in a particular parking area for a real-time application	
Machine Learning Engineer , Migraine AI (Silicon Valley), Palo Alto, CA	Apr 2019 - Sept 2019
<ul style="list-style-type: none">Predicted migraine attacks and the triggers based on self-reports of the patientsPerformed clustering, worked on time series and missing data	
Undergrad Researcher , Koc University AI Lab, Istanbul	Feb 2017 - Aug 2019
<ul style="list-style-type: none">Contributed to the Turkish Morphology Project by data preprocessing and worked on NLTK with ambiguous words (8 months in total)	
Long Term Intern , FalconAI (now a YC company senpai.gg), Istanbul	Feb 2019 - June 2019
<ul style="list-style-type: none">Developed TensorFlow object detection projects for a fashion application FashionI	
Summer Intern , Miletos Research and Development, Istanbul	July 2018 - Aug 2018
<ul style="list-style-type: none">Trained an image classifier for documents in PyTorch	
Summer Researcher , Koc University IUI Lab, Istanbul	July 2017 - Aug 2017
<ul style="list-style-type: none">Worked on IMOTION Project which develops and evaluates multi-modal UIs	

PUBLICATIONS

- [1] D. S. Islakoglu*, M. Chekol, Y. Velegrakis, *Leveraging Pre-trained Language Models for Time Interval Prediction in Text-Enhanced Temporal Knowledge Graphs*, Extended Semantic Web Conference (ESWC) 2024, **Best Research Paper Award** ([Paper](#))
- [2] D. S. Islakoglu*, I. Saccardi*, A. Neerincx, F. L. Vinella, *Symbiotic Child Emotional Support with Social Robots and Temporal Knowledge Graphs*, Workshop on Human-centered Design of Symbiotic Hybrid Intelligence, Hybrid Human Artificial Intelligence (HHAI) 2022 ([Paper](#))

TEACHING

Co-instructor: Knowledge and Data Engineering (MSc) x 2 (Received a teaching award)	
Assistantship: Data Wrangling (MSc) x 2, Databases x 3, Game Design	
Supervision: 9 Master Theses (Applied Data Science Program) and 1 Bachelor Thesis (Artificial Intelligence Program)	

LEADERSHIP EXPERIENCE

Founder , Open Office Hours, Turkey	Feb 2021 - Present
<ul style="list-style-type: none">Created a platform where almost 1700 undergraduate and high school students can easily reach out academicians	
Co-founder , Audio Book Project, Koc University	Sept 2016 - Present
<ul style="list-style-type: none">Built an online library for individuals with visual disabilities	
Academic Coordinator & Board Member , Koc University ACM Student Chapter	Sept 2019 – June 2020
Head Mentor , Koc University Office of Dean of Students	Sept 2017 - June 2020
<ul style="list-style-type: none">Mentored +200 mentors and 25 newcomer students	

HONORS & SCHOLARSHIPS

Çiçek Sepeti Success Scholarship (2020), So Chic Success Scholarship (2011-2020), Koc University Vehbi Koc Honor Scholar (2016)