Osman Batur İnce - CV

ospanbatyr.github.io

EDUCATION

Koc University   Istanbul, Turkey
*PhD in Computer Sciences & Engineering **(will graduate with MSc)**, CGPA: 4.0/4.0*   *Sept. 2022 - June 2024*

Bilkent University   Ankara, Turkey
Bachelor of Science in Computer Engineering, CGPA: 3.88/4.00, Top 3%   *Sept. 2018 – June 2022*

AYDEM Science High School   Denizli, Turkey
                                                                                                      Sept. 2014 – June 2018

RESEARCH EXPERIENCE

AI Fellow   August 2022 – now
KUIS AI Lab   *Istanbul, Turkey*
- Working on compositional generalization and language-vision learning w/Assoc. Prof. Aykut Erdem
- Examining the role of training dynamics in compositional generalization for practicality and better understanding
- Researching the intersection between compositional generalization and multimodality to improve generalization
- Investigating best ways of utilizing vision grounded LLMs in medical domains

Undergraduate Researcher   July 2021 – April 2022
Bilkent Information Retrieval Group   *Ankara, Turkey*
- Worked on unsupervised concept drift detection for multi-label streams with label clustering
- Sent a short paper to 45th ACM SIGIR w/Prof. Fazlı Can but paper was ultimately rejected

WORK EXPERIENCE

Data Science Intern   June 2021 – July 2021
JotForm   *Ankara, Turkey*
- Built a PII detection system with a manual form reviewing app using spaCy, Presidio, Node.js, Flask, and React.
- A dynamic app that protects JotForm users against phishing attacks with the help of PII detection system

Software Engineer Intern   Aug. 2020 – Sept. 2020
TUBITAK BILGEM YTE   *Ankara, Turkey*
- Designed and programmed an event management system using React, Java Spring, and PostgreSQL.

PROJECTS

DovizTR | *Dart, Flutter, JavaScript, Github*   Oct. 2020 – May 2021
- Co-owned (currency/stock tracking app) doviztr.com, developed the mobile app version with another developer

TEACHING EXPERIENCE

COMP201 | *Computer Systems & Programming*   Fall 2022 & Spring 2023

PUBLICATIONS

OB İnce, T Zeraati, S Yagcioglu, Y Yaghoozadeh E Erdem, A Erdem. Harnessing Dataset Cartography for Improved Compositional Generalization in Transformers, Findings of EMNLP 2023.

Anonymous. *Submitted*, ICLR 2024.

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, C++, SQL (Postgres), HTML/CSS, Dart
Libraries: PyTorch, NumPy, pandas, React, Flutter

OTHER INFORMATION

High Honor List: Got over 3.5 GPA for 8 consecutive semesters in Bilkent University
Full-Merit Scholarship Student: Full tuition waiver & stipend during the BSc program
Turkish University Entrance Exam: Ranked **30th** & **257th** among 2 million participants in 1st and 2nd steps