

Osman Batur İnce - CV

ospanbatyr.github.io

EDUCATION

Koc University

PhD in Computer Science, CGPA: 4.00/4.00

Ankara, Turkey

Sept. 2022 - June 2027

Bilkent University

Bachelor of Science in Computer Science, CGPA: 3.88/4.00

Ankara, Turkey

Sept. 2018 - June 2022

AYDEM Science High School

Denizli, Turkey

Sept. 2014 - June 2018

RESEARCH EXPERIENCE

AI Fellow

KUIS AI Lab

August 2022 – now

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

Bilkent Information Retrieval Group

July 2021 – April 2022

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

JotForm

June 2021 – July 2021

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

TUBITAK BILGEM YTE

Aug. 2020 – Sept. 2020

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 **257th** among 1.6 million participants