

# 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, Top 3%*

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](https://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