

Ömer Kaan Gürbüz

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GitHub Profile

LinkedIn Profile

EDUCATION

•TOBB ETU

2019-2023

Computer Science Bachelors

GPA: 3.05

- Electives: Data Mining, Natural Language Processing, Machine Learning, Deep Learning, Computer Vision, Cryptography

•Bilkent University

2023-Present

Computer Science Masters

- Under the supervision of Uğur Doğrusöz
- Courses: Deep Learning, Learning for Robotics, Data Science for Software Engineering, Computational Geometry, Data Privacy, Automated Program Repair

EXPERIENCE

•Netcad

Sep 2022-Dec 2022

Machine Learning Intern

Ankara, Turkey

- Worked on research and development of Graph Neural Networks for point cloud part segmentation problem.
- Implemented custom Graph Neural Networks using PyG (PyTorch Geometric).

•Turkcell

Jan 2022-May 2022

Machine Learning Intern

Istanbul, Turkey

- Worked on facial recognition, age estimation and gender estimation
- Implemented CNNs with Tensorflow

•HAVELSAN

May 2021-Sep 2021

Computer Engineering Intern

Ankara, Turkey

- Worked on development of a twin-turbine helicopter simulation

PERSONAL PROJECTS

–Image Deformation As a Data Augmentation Method

Jul 2022

Implementation of the paper with the same name

* Tools & technologies used: Python, Tensorflow

* [Github Link](#)

–Turkish Poetry Generation Using Transformers

Aug 2022

Development of a transformer based model

* Tools & technologies used: Python, PyTorch

* Implemented with PyTorch from scratch

* [Github Link](#)

RESEARCH EXPERIENCE

–Watermarking Language Models

Feb 2023-Nov 2023

Researching watermarking algorithms for Large Language Models to detect machine-generated text

* Tools & technologies used: Python, PyTorch, HuggingFace Transformers

* [See the full paper here.](#)

TECHNICAL SKILLS AND INTERESTS

Developer Tools: C(Proficient), Python(Advanced), Java(Proficient), SQL(Proficient)

Packages: PyTorch, Tensorflow, HuggingFace Transformers, Scikit-learn, Numpy, SciPy, Pandas, NLTK, Matplotlib

Areas of Interest: Natural Language Processing, Large Language Models, Machine Learning, Data Science, Ethical AI

LANGUAGES

English: IETLS 7.5, e-YÖKDİL 90

Turkish: Native proficiency

German: Beginner proficiency

CONTESTS

–SIU2023-NST: Hate Speech Detection: First place in two categories