

Ömer Kaan Gürbüz

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GitHub Profile
LinkedIn Profile

EDUCATION

•Bilkent University

M.Sc. in Computer Science (coursework completed)

Sep 2023 – Sep 2024

GPA: 3.10

- Relevant coursework: Deep Learning, Learning for Robotics, Data Science for Software Engineering, Computational Geometry, Data Privacy, Automated Program Repair, Information Retrieval
- Teaching Assistant for Algorithms and Programming I, and Computers and Data Organization
- Contributor to open-source research projects: Newt and sbgnviz.js
- Left after finishing coursework

•TOBB ETU

Computer Science Bachelors

2019-2023

GPA: 3.05

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

EXPERIENCE

•Jotform

Data Engineer

Oct 2024-Current

Ankara, Turkey

- Responsible for around 150 scheduled BigQuery SQL jobs for growth analytics
- Tech stack: BigQuery, Dataform, SQL, MySQL

•Netcad

Machine Learning Intern

Sep 2022-Dec 2022

Ankara, Turkey

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

•Turkcell

Machine Learning Intern

Jan 2022-May 2022

Istanbul, Turkey

- Worked on facial recognition, age estimation, and gender classification tasks
- Implemented convolutional neural networks using TensorFlow

•HAVELSAN

Computer Engineering Intern

May 2021-Sep 2021

Ankara, Turkey

- Contributed to the development of a twin-turbine helicopter simulation system

RESEARCH EXPERIENCE

–Watermarking Language Models

Feb 2023-Nov 2023

COLING 2025 GenAIDetect Workshop

- * Proposed and evaluated 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(Advanced)

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: IELTS 7.5, e-YÖKDİL 90, METU EPE 93

Turkish: Native proficiency

German: Beginner proficiency

CONTESTS

–**1st Place:** SIU2023-NST Hate Speech Detection (Winner in two distinct categories)

–**2nd Place:** 2024 Teknofest Trendyol E-commerce Hackathon (Product enhancement pipeline)

–**4th Place:** 2024 Teknofest T3 AI Hackathon (LLM Fine-tuning, out of 327 teams)