Karahan Sarıtaş

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EDUCATION

University of Tübingen   Tübingen, Germany
M.Sc. in Machine Learning - GPA: –   *Oct 2023 − Jul 2025*

Boğaziçi University   İstanbul, Turkey
B.Sc. in Computer Engineering - GPA: 3.88/4.00   *Sep 2018 − Jun 2023*
Ranked 3 out of 91 − High Honors

Haydarpaşa Anatolia High School   İstanbul, Turkey
High School Diploma - GPA: 98/100   *Sep 2014 − Jun 2018*

TEACHING/RESEARCH EXPERIENCE

Tübitak   İstanbul, Turkey
Tübitak Star Research Intern   *Jun 2023 − Jul 2023*

- Engaged as a Tübitak research intern for a short duration in the "Automatic Transcription of Ottoman Turkish Documents using DL Technologies" project (AKİS). **Elevated training performance** for the transcription algorithm by aligning OCR-produced lines with the ground truth, employing Dynamic Time Warping and Levenshtein distance

Boğaziçi University   İstanbul, Turkey
Undergraduate Teaching Assistant   *Mar 2021 - Jun 2023*

- Spring 2023 - Fundamentals of Software Engineering

  Spring 2022 - Introduction to Object Oriented Programming

  Fall 2021 - Introduction to Computing

  Spring 2021 - Introduction to Computing

- Engaged in a diverse array of responsibilities, including project preparation, formulating weekly lab questions, evaluating student submissions, maintaining communication with students, and producing educational videos, available at this link

VIP Fen Bilimleri   İstanbul, Turkey
Teaching Assistant   *Sep 2018 − Feb 2020*

- Individual support of students for their entrance exam, mostly focused on problem-solving sessions

INDUSTRY EXPERIENCE

Trendyol   İstanbul, Turkey
Associate Developer   *Jul 2022 − Dec 2022*

- Developed and maintained **batch data pipelines** using Apache Spark, Scala, and Alibaba Cloud EMR Service. Worked on the integration of different **monitoring tools** including Datadog, Grafana, New Relic, and Alibaba Cloud Monitoring with various products
- Technology Stack: Scala, Spark, Alibaba Cloud, Terraform, Kubernetes, Kafka, Zeppelin, Hadoop, Hive, Akka HTTP

RDC+   İstanbul, Turkey
Data Science Intern   *Aug 2021 − Oct 2021*

- Developed **automated web scraping tools** using Selenium and BeautifulSoap in Python
- Technology Stack: Python, Neo4j, BeautifulSoup, Selenium

PUBLICATIONS

(Under Review) **Sarıtaş, Karahan** and Oz, Cahid Arda and Güngör, Tunga, A Comprehensive Analysis of Static Word Embeddings for Turkish. Available at SSRN: https://ssrn.com/abstract=4615519 or
http://dx.doi.org/10.2139/ssrn.4615519

Scholarships & Achievements

Haydarpaşa Anatolia High School Salutatorian Award: Graduated as the second-highest ranked student in my class

National University Admission Exam (YKS): Ranked 143th in Mathematics and Science among ca. 2 million candidates

National University Admission Exam (Foreign Language): Ranked 99th in Foreign Language (English) among ca. 2 million candidates

KYK Top 100 Government Scholarship: Awarded to undergraduate students who have been ranked in the top 100 on National University Admission Exam by Higher Education Credit and Hostels Institution (KYK)

Trendyol & TOG Education Scholarship: Awarded to top 50 undergraduate students based on university entrance ranking and academic achievement in the university

Bending Spoons Transcend 2022: Selected to be one of the 5 students from Turkey and 25 students from Europe to receive exclusive, one-on-one mentorship from a senior engineer at Bending Spoons

Boğaziçi University Computer Engineering Third Ranking Award: Graduated as the third-highest ranked student in my class

TEV-DAAD Scholarship: Selected for the Joint Scholarship offered by the German Academic Exchange Service (DAAD) and the Turkish Education Foundation (TEV) for pursuing my master's studies in Germany

Languages

Turkish: Native language

English: Advanced (IELTS 8.0 in 2022)

German: Elementary (did deutsch-institut zertifikat in 2023)

Skills

Languages: Python, Java, Scala, C++, SQL

Tools: LaTeX, Git, MySQL, SQLite, VS Code, Eclipse, Jupyter Notebook, Google Colab, IntelliJ, Alibaba E-MapReduce Service

Frameworks & Libraries: TensorFlow, PyTorch, Django, Django REST Framework, NumPy, Spark

Certificates & Participations

inzva   İstanbul, Turkey

Participant
- Algorithm Program 2020-2021
- Algorithm Competition Winter Camp 2022
- Algorithm Program Spring 2022
- Google Developers & inzva Machine Learning Bootcamp Turkey
- Applied AI Study Group #7

MOOCs & Professional Certificates

DeepLearning.AI
- Machine Learning
- Deep Learning Specialization
- DeepLearning.AI Tensorflow Developer Specialization
- TensorFlow Professional Developer Certificate