

# Karahan Sarıtař

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## EDUCATION

### University of Tübingen

M.Sc. in Machine Learning - **GPA:** -

Tübingen, Germany

Oct 2023 - Jul 2025

### Boğaziçi University

B.Sc. in Computer Engineering - **GPA: 3.88/4.00**

Ranked 3 out of 91 - High Honors

İstanbul, Turkey

Sep 2018 - Jun 2023

### Haydarpařa Anatolia High School

High School Diploma - **GPA: 98/100**

İstanbul, Turkey

Sep 2014 - Jun 2018

## TEACHING/RESEARCH EXPERIENCE

### Tübitak

Tübitak Star Research Intern

İstanbul, Turkey

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

Undergraduate Teaching Assistant

İstanbul, Turkey

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

Teaching Assistant

İstanbul, Turkey

Sep 2018 - Feb 2020

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

## INDUSTRY EXPERIENCE

### Trendyol

Associate Developer

İstanbul, Turkey

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+

Data Science Intern

İstanbul, Turkey

Aug 2021 - Oct 2021

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

## PUBLICATIONS

(Under Review) **Sarıtař, Karahan** and Oz, Cahid Arda and Güngör, Tunga, A Comprehensive Analysis of Static Word Embeddings for Turkish. [\[Paper\]](#) [\[Code\]](#)

## SCHOLARSHIPS & ACHIEVEMENTS

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

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

**National University Admission Exam (Foreign Language):** Ranked 99<sup>th</sup> 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

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**Turkish:** Native language

**English:** Advanced ([IELTS](#) 8.0 in 2022)

**German:** Elementary ([did deutsch-institut zertifikat](#) in 2023)

## SKILLS

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

**Tools:**  $\text{\LaTeX}$ , Git, MySQL, SQLite, VS Code, Eclipse, Jupyter Notebook, Google Colab, IntelliJ, Alibaba E-MapReduce Service

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

## CERTIFICATES & PARTICIPATIONS

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**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](#)