

## Education

**University of Zurich**, Zurich, Switzerland

M.Sc. in Computer Science (GPA: 5.2/6.0)

Sep. 2020 – Oct. 2023

Major: Data Science (GPA: 5.4/6.0)

Minor: Banking and Finance

Thesis: *An Open-Source Implementation of FIFA's Enhanced Football Intelligence*

Research Project: *UniFi: A Unified Framework for Portfolio Management*

**Bilkent University**, Ankara, Turkey

B.Sc. in Electrical and Electronics Engineering (GPA: 3.03/4.0)

Sep. 2016 – Jun. 2020

**TED Ankara College**, Ankara, Turkey

High-School

Sep. 2012 – Jun. 2016

## Industry Experience

**Abdi Business Technologies**, Istanbul, Turkey

Artificial Intelligence Engineer

May. 2024 – Ongoing.

- **AI Candidate Analysis** Developed an end-to-end hiring process, including CV analysis based on job descriptions, candidate filtering, personalized interview questions with follow-ups, a bot that analyzes interviews and evaluate candidates.
- **Roleplay Chatbot** Created medical professional personas (doctors, pharmacists) to assist medical representatives in training on specific medicines, aiming to enhance sales performance. Fine-tuned the model and built a Retrieval-Augmented Generation (RAG) system. The chatbot supports both speech-to-text and text-to-text interactions to facilitate realistic training simulations.

**Union of European Football Association (UEFA)**, Remote

Data Science Intern

Oct. 2023 – Jan. 2024

- **Intelligence Center:** Led online data integration for strategic football research, analyzing player workload with statistical and machine learning tools.
- **Analysis Department:** Developed algorithms leveraging UEFA tracking and event data, covering ball location and dynamics, press, progression, and pass classifications.

**Kardinero Medical Systems**, Ankara, Turkey

Embedded Systems Intern

Jun. 2019 – Jul. 2019

**FNSS Defence Systems**, Ankara, Turkey

Embedded Systems Intern

Jun. 2018 – Jul. 2018

## Research Experience

**ETH Zurich - Social Networks Lab**, Zurich, Switzerland

Research Assistant

Jun. 2022 – Jul. 2023

Supervisor: *Prof. Dr. Ulrik Brandes*

- Utilized spatio-temporal tracking data from UEFA and FIFA to develop shape graphs and the instantaneous inference of tactical positions in soccer.

## Teaching Experience

**ETH Zurich - Soccer Analytics**, Zurich, Switzerland

Teaching Assistant

Spring 2023

Lecturer: *Prof. Dr. Ulrik Brandes*

## Skills

**Software:** Python, SQL, R, MATLAB, C/C++, JavaScript, Java, VHDL

**Technologies:** NumPy, Pandas, Scikit-Learn, PyTorch, TensorFlow, Keras, LangChain, FastAPI, Flask, SQLAlchemy

**Cloud Platforms:** Microsoft Azure, Dataiku, Google Colab

**Project Management Tools:** Git, Jira, Confluence

## Languages

**Turkish**

Level: Native

**English**

Level: Advanced

**German**

Level: A2

Examinations

TOEFL iBT

Grade: 97/120

GRE General Test

Quantitative: Grade 168/170

Honors & Rewards

Roleplay Chatbot, Istanbul, Turkey

Abdi Business Technologies

2024

◦ Best AI Virtual Agents & Bots (Future of AI & Cloud Summit by CXO Media)

◦ Bronze Category Health Technologies (Yapay Zeka Fabrikasi, Türkiye İş Bankası)

Licenses & Certifications

◦ Python For Finance: Use Data Science for Financial Analysis

Extracurricular

- Certificate of Completion - Churchill House School of English Language Summer School
- Certificate of Completion - Loyola Marymount University English Language Summer School
- Former Licensed Kickboxer
- Former Licensed Chess Player