

Education

University of Zurich, Zurich, Switzerland

M.Sc. in Computer Science

Major: Data Science

Minor: Banking and Finance

GPA: 5.2/6.0

Major GPA: 5.4/6.0

Sep. 2020 – Oct. 2023

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 seniority specific job descriptions, candidate filtering, personalized interview questions with follow-ups, and a bot that joins interviews to assess 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.

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:** Implemented metrics using 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 to develop automatic formation detection, role assignment algorithms, and clustering of passing patterns through spatial networks.

Teaching Experience

ETH Zurich - Soccer Analytics, Zurich, Switzerland

Teaching Assistant

Spring 2023

Lecturer: Prof. Dr. Ulrik Brandes

Significant Projects

An Open-Source Implementation of FIFA's Enhanced Football Intelligence, University of Zurich, ETH Zurich

Master's Thesis

2023

Supervisor: Prof. Dr. Claudio J. Tessone, Co-Supervisor: Prof. Dr. Ulrik Brandes

- Were the concepts in the Enhanced Football Intelligence document sufficiently detailed to allow for reproduction of FIFA World Cup 2022 match reports?

UniFi: A Unified Framework for Portfolio Management, University of Zurich

Master's Research Project

2022

Supervisor: Prof. Dr. Manuel Günther

- Developed a framework to compare portfolio allocation methods, enabling users to import data, apply feature engineering, choose between traditional or reinforcement learning models, and back-test methodologies using preferred metrics.

BeeSMART, *Bilkent University*
Bachelors Graduation Project
Supervisor: Prof. Dr. Ezhan Karasan

2020

- Created a smart hive monitoring project featuring GSM, GPS, and various sensors, using Edge Learning to predict hive conditions from bee sounds and enabling IoT communication over MQTT for real-time data access on Android and Web platforms.

Skills

Software: Python, SQL, R, MATLAB, C, C++, Java, VHDL
Technologies: NumPy, Pandas, Scikit-Learn, PyTorch, TensorFlow, Keras, LangChain
Development Tools: VS Code, Jupyter Notebook, XCode
Collaboration & Project Management Tools: Git, Jira, Confluence
Cloud Platforms: Microsoft Azure (Azure DevOps, Azure AI services), Dataiku, Google Colab

Languages

English	Level: Advanced
German	Level: A2
Turkish	Level: Native

Examinations

TOEFL iBT	Grade: 97/120
GRE General Test	Quantitative: Grade 168/170

Honors & Rewards

Roleplay Chatbot, *Istanbul, Turkey*
Abdi Business Technologies

2024

- Awarded Best AI Virtual Agents & Bots at the [Future of AI & Cloud Summit](#) by CXO Media.
- Received the Bronze Category Health Technologies Award from [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