

Dogan Parlak

Website: doganparlak.github.io

✉ dgnprlk@gmail.com | dogan.parlak@dpformance.com

☎ +90 531 341 46 61

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

DPformance, Istanbul, Turkey

Founder | Data-Driven Consultant

June. 2025 – Ongoing.

- Providing advanced football analytics and insights to support smarter understanding, communication, and strategy across the game.

Abdi Business Technologies, Istanbul, Turkey

Artificial Intelligence Engineer

May. 2024 – June 2025.

- **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.

Kardiner 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*

Publications

Shape Graphs and the Instantaneous Inference of Tactical Positions in Soccer, *Nature*

U. Brandes, H. Sotudeh, D. Parlak, P. Laffranchi, Mert Erkul

2025

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
<ul style="list-style-type: none">Best AI Virtual Agents & Bots (Future of AI & Cloud Summit by CXO Media)Bronze Category Health Technologies (Yapay Zeka Fabrikasi, Turkiye Is Bankasi)	

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