

EDUCATION

2014 – 2020	BSc. in Electrical and Electronics Engineering Specialization Option: Telecommunications Engineering GPA: 3.35 / 4 ALES (Grad School Exam) Score: 100/100, 1st place in 230 thousand attendants	BOĞAZIÇI UNIVERSITY - ISTANBUL , TURKEY
2016 – 2020	BSc. in Physics Double Major GPA: 3.35 / 4	BOĞAZIÇI UNIVERSITY - ISTANBUL , TURKEY
Fall 2017	Exchange Programme Department: Electrical & Computer Engineering (Study Abroad) GPA: 4.00 / 4	UNIVERSITY OF MARYLAND - MD , USA
2010 – 2014	High School GPA: 95.47 / 100 University Entrance Exam Score: 547/560, 23rd place in 2 million attendants	IZMIR FEN LİSESİ - IZMİR , TURKEY

WORK EXPERIENCE

March 2021 - present	Machine Learning Engineer Sentiment Analysis in Turkish: Gathering bias-free training data and performing data preprocessing Fine tuning of BERT model via Transfer Learning and deploying the model on Kubernetes Collecting the mistakes of the model from user clicks and using them for training during the next cycle Setting up a Neo4j Graph Database infrastructure: Deploying a standalone Neo4j Graph Database on Kubernetes Migrating the data of 180 Million social media users with following-follower relationships into Neo4j Fake News detection: A sub-graph classification task for checking the integrity of viral content using Graph Neural Networks Fine tuning of a Graph Convolutional Network and deploying the model on Kubernetes Community Detection and Centrality Scoring in networks: Deciding for the most influential social media users engaged with a content when the content goes viral Detecting distant communities within a network using Louvain algorithm Holding weekly seminars for fellow developers in the company on the core concepts of Statistics, Data Science and Deep Learning.	E-BRANDVALUE BRAND INTELLIGENCE / ISTANBUL , TURKEY
June - December 2019	Data Analyst A Computer Vision project for Semantic Segmentation using geospatial R Packages. Main Topic: Land-Cover Crop Type Classification Using Machine Learning Automation and fine tuning of data flow in Random Forest models	DOKTAR AGRICULTURAL SOLUTIONS / ISTANBUL , TURKEY
June - August 2018	Intern at METU - Physics Defocusing Beamline Project (in collaboration with CERN) Experimental Space Radiation and Astroparticle Physics Group - METU Main Topic: Single-Event Effect Radiation Tests Establishing hazardous radiation alert system	MIDDLE EAST TECHNICAL UNIVERSITY / ANKARA , TURKEY
June - July 2017	Intern at Test & Certification Department Main Topic: Frequency Converters Verification of product specifications	SIEMENS AG / ERLANGEN , GERMANY

SKILLS

Programming:

Python - R - MATLAB - Julia - JavaScript

Libraries & Technologies:

PyTorch - TensorFlow - Scikit-Learn - Pandas - NumPy - Kubernetes - Flask - Docker - Django
Elasticsearch - MongoDB - MySQL - PostgreSQL - Neo4j - ArangoDB - Terraform - RabbitMQ

Languages:

Turkish - Native
English - IELTS Score: 8.0/9.0

RESEACRH

- August - December 2020 **Researcher** at Autonomous Vision Group KOÇ UNIVERSITY - ISTANBUL , TURKEY
Main Interest: Autonomous Driving
Topics: Graph Neural Networks, Trajectory Predictions, Intent Recognition
Validation and replication of state-of-the-art trajectory prediction models
- January - June 2020 **Senior Design Project** at Lung Acoustics Laboratory BOĞAZIÇI UNIVERSITY - ISTANBUL , TURKEY
Main Interest: Detection of Diseases in Respiratory Sounds
Mel Frequency Cepstral Coefficients Analysis
Feature Extraction, Classifier Fine Tuning
Comparison of Machine Learning Models (KNN, Random Forest, MLP, RNN)
- August - December 2019 **Researcher** at Volumetric Analysis Visualization Group BOĞAZIÇI UNIVERSITY - ISTANBUL , TURKEY
Main Interest: Object Detection and Counting in Orchard Images
Data Preprocessing, Color Space and Texture Analysis
Sequential Floating Feature Selection Process for Support Vector Machines
Pixel-wise Binary Image Segmentation Pipeline Design

PROJECTS

- October - November 2020 **Term Project** of Deep Learning Class KOÇ UNIVERSITY - ISTANBUL , TURKEY
Title: Counterfactual Learning of Physical Dynamics
Topics: Graph Neural Networks, Counterfactual Learning, Recurrent Neural Networks, Latent Representations
Replication of a state-of-the-art paper using Julia language and KNet Deep Learning framework.
- March - May 2019 **Term Project** of Speech Processing Class BOĞAZIÇI UNIVERSITY - ISTANBUL , TURKEY
Title: Speech Activity Detection
Topics: Data Preprocessing, MFCC Features, Fourier Analysis, Naive Bayes Classification
A speech recognition pipeline in a noisy environment with several sample recordings from different languages, genders and ages.

REFERENCES

Yasin Meydan

Co-Founder of eBrandValue Brand Intelligence
yasin.meydan@ebrandvalue.com

Eren Gül

Full Stack Software Engineer at eBrandValue Brand Intelligence
MSc. Student in Computer Science at Politecnico di Torino
s297978@studenti.polito.it