

UMUTCAN KARAKAŞ

Bahcelievler/Istanbul, Turkey



umutcankarakas@gmail.com



umutcankarakas

Education

Istanbul Technical University

Ph.D. in Computer Engineering

Istanbul Technical University

M.Sc. in Computer Engineering

Anadolu University

A.A. in Web Design and Coding

Istanbul Technical University

B.Sc. in Computer Engineering

Feb. 2024 – Present

Istanbul, Turkey

Sep. 2021 – Feb. 2024

Istanbul, Turkey

Sep. 2016 – Aug. 2018

Istanbul, Turkey

Sep. 2015 – Aug. 2020

Istanbul, Turkey

Experience

DefineX Consulting | Technology | Labs

Senior .NET Developer

April. 2024 - Ongoing

Istanbul, Turkey

- Working for Softtech, developing Call Center projects for İş Bankası and Getir Finans.
- Integrating external services into projects and connecting them with the front end.

Kaizen Technology

Backend Developer

Dec. 2022 - Apr. 2023

Istanbul, Turkey

- Developed core features for the Anadolu Efes Basketball Team App, including live score tracking, team and player statistics, loyalty points, and fan rewards.
- Maintained the Nutella App, facilitating prize redemption through customer-earned points from product purchases.

Erstream Video Delivery Company

Software Developer

Jan. 2020 – Nov. 2022

Istanbul, Turkey

- Constructing monitoring and notification service over the services of the company.
- Leading a user management & information panel for Exxen, a popular streaming service. The panel focused on data analysis & visualization and role-based permission & security system.

Rhino Runner

Junior .NET Developer

March 2019 - June 2019

Istanbul, Turkey

- Learning the basics of .NET by keeping the existing projects updated.

Sociable, Inc.

Software Developer

Summer 2018

Istanbul, Turkey

- Learning the basics of mobile application development.

Ayedat, EnerjiSA

Business Logic Intern

Summer 2017

Istanbul, Turkey

- Learning the basics of SQL and SAS Programming and applying it on various projects.

Projects

Automated Fairness Testing with Representative Sampling

- Developed RSFair, a machine learning fairness tool using OMP and K-SVD for advanced representative sampling.
- Enhanced fairness assessment accuracy and efficiency, outperforming traditional methods.
- Achieved significant improvements in bias detection and fairness enhancement in ML models.
- Can be viewed from <https://doi.org/10.1145/3617555.3617871>

Skills

Main Development Languages: C#, Python, C, C++

Web Development: .NET, Javascript, HTML / CSS, Kendo UI, jQuery

Data Containers: MySQL, Elasticsearch

Deep Learning Tools: Tensorflow, Keras, PyTorch