



ÖMER YASİR ÖNAL

Software Engineer

EXPERIENCES

RESEARCHER

TÜBİTAK - İstanbul - 2023

The study I carried out within the scope of TÜBİTAK 2209-A University Students Research Project is supported by TÜBİTAK under the title "Measurement of Concrete Performance of Earthquake Risky Structures with Artificial Intelligence-Based Monitoring System".

FREELANCE - SOFTWARE ENGINEER

Website development, Google Ads Management - 2024

Developed and launched fully functional websites for A2 Reklam and Dilyapı, focusing on high-quality, innovative signage solutions and professional construction services, respectively. Managed Google Ads campaigns and implemented SEO strategies for both websites, enhancing online visibility and attracting targeted traffic, thereby increasing conversion rates. Websites: www.a2reklam.com and www.dilyapi.com

PROJECTS

FLUTTER PROJECTS

ArtFlare - OpenAI API Integration

This project can generate images with text using **OpenAI's DALL-E 2 API** and includes ready-made **Google AdMob** integration.

University Grade Calculator

This project is a mobile app developed with **Flutter**, designed to assist students in calculating their university grades. It allows for easy entry of course grades and calculates overall averages. Future semester impacts can also be predicted. It features **Firebase Firestore Database** integration for efficient data handling.

UNIVERSITY PROJECTS

C - Advanced Student and Course Management System

This **C** language project features a system for managing student and course data, using two primary data structures: Course and Student, to store and manipulate educational information.

C++ - Complex Number Linear Algebra System

This **C++** project provides a system for linear algebra operations on complex numbers, including support for vectors and matrices.

Java - Experiment-Material Tracking System

This project is a **Java Swing** application developed in **NetBeans** for managing laboratory experiment materials, allowing users to add new materials and manage experiments using a **MySQL** database.

Java - Othello Game

This **Java** project is an implementation of the classic two-player Othello board game, aiming to capture the most opponent pieces. It includes both the user interface and the game logic.

Java - Multi-Player Tombola (Bingo) Game with Multi Linked List

Developed a **Java**-based Multi-Player Tombola (Bingo) Game, utilizing multi-linked lists to handle complex game dynamics and featuring a custom **GUI** for enhanced user interaction. This project is aimed at understanding **data structures**.

CERTIFICATES

- 28.02.2024 Swift ile IOS Programlama - BTK
- 12.08.2023 Exploratory Data Analysis for Machine Learning - Coursera
- 28.07.2023 Foundations: Data, Data, Everywhere - Coursera
- 22.01.2023 Proje Yönetim Temelleri - BTK
- 24.01.2023 Versiyon Kontrolleri: Git ve GitHub - BTK
- 22.01.2024 C++ ile Programlamaya Giriş - BTK
- 10.10.2022 Bilimsel Proje Geliştirme Kampı Ayteam

EDUCATION

FATİH SULTAN MEHMET VAKIF ÜNİVERSİTESİ
Bilgisayar Mühendisliği, 2021 - 2026, 2,83

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ABOUT ME

I have currently completed my second year at Fatih Sultan Mehmet University, where I improved my skills in programming languages such as Python, Java, C and C++. I developed my expertise as a Tübitak researcher and a member of the Ayteam community, celebrated with Teknofest successes. I thrive on self-directed projects using Flutter with AdMob and Firebase, and am experienced in UI/UX design. I also continue to improve my skills in Swift while also having experience in Request Engineering with ChatGPT; This allows me to provide valuable insights and solutions to my colleagues, teams and projects in a variety of contexts.

ABILITIES

- Flutter Development
- Prompt Engineering
- Firebase Integration
- Admob Integration
- OpenAI API Integration
- Team Player
- Scientific Project Development
- Projects Management
- WordPress
- Google Ads

LANGUAGES

- English B2
- Turkish Native

ARTICLES

- [iOS Kendi Uygulamalarını Üretseydi Mobil Sektörde Tek Olabilir miydi? Süper App Perspektifinden Bir İnceleme](#) - TR
- [RxDart to Make Flutter Better](#) - TR/EN
- [Exploring Design Patterns: Benefits, Importance, and Usage in Flutter](#) - TR/EN
- [How to Install Flutter on Mac M1](#) - TR/EN
- [FlutterFire CLI ile Firebase Entegrasyon Rehberi](#) - TR
- [NOSQL ve SQL Veritabanları](#) - TR
- [API ve WEB Servis Nedir?](#) - TR
- [IOS Mobil Uygulama Geliştirme Nedir?](#) - TR
- [Bir Otomotive Entegre Olabilecek Yazılım Uygulamalar](#) - TR