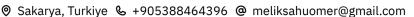
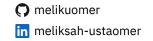


Melikşah Ustaömer

Computer Science Engineer





Summary

A senior computer engineering student with a passion for embedded systems and a strong team spirit. Has knowledge of C++ and C#, and past experience with C# and Javascript.

Education

Karadeniz Technical University
Computer Science Engineer

09/2018 - 06/2023Ongoing

Science and Art Center

09/2009 - 06/2018

Physics

Other

Experience

GPA 2.98

Mobiliz Information and Communication Technologies

Backend Intern

07/2021 - 09/2021

Migrating from NoSQL database to SQL database. Created a new middleware to configure requests according to the new requirements of the SQL database. MongoDB, NodeJS, PostgreSQL

Projects

RSA-encrypted Steganography

A console application that hides a secret into a BMP file

The data is first encrypted using the RSA encryption
algorithm. Then, the encrypted data is written to the Least
Significant Bit (LSB) value of a BMP file.

C++

Market Run

A Hypercasual Game Demo

Market Run is a delivery empire simulator game where you start as a small delivery driver and work your way up to become a successful entrepreneur. You will start by delivering groceries from local markets to homes in your neighborhood. As you earn money, you can hire more drivers, expand your product range, and automate your delivery process. You can also expand to new regions and deliver to more homes.

C#, Unity

Phishing Attack Example

An application to demonstrate how phishing attacks are performed. A clone of a known website is created to deceive unsuspecting users. When a user enters their credentials, a **Python** bot automatically logs in on a separate computer, capturing their sensitive information.

NodeJS, Python, Selenium

DevRoyale Backend

The backend of a competition platform that determines the "better" code based on different parameters is designed with a three-tier architecture.

The backend is developed using Express.Js. Temporary data is stored in Redis. The database is MySQL. A multithreaded service is created on C++ to collect statistics on code source usage (RAM usage, CPU usage). In addition, a separate service that calculates the readability and maintainability of code is implemented on JavaScript. These services analyze the codes submitted by users and determine which code is more optimized and therefore "better". ELO ranking is then used to allocate new scores to users.

Skills

Programming Languages

C#, C++, C, JavaScript, HTML, BASH, Python, CSS

Awards

International UAV Competition Finalist

Tubitak

10/2017

Other

Git, Docker

UAV Competition Drone Category Finalist

Teknofest

10/2018

Languages English

lish Turkish

(Native)