



Melikşah Ustaömer

Computer Science Engineer

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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	09/2018 - 06/2023	Science and Art Center	09/2009 - 06/2018
Computer Science Engineer	Ongoing	Physics	Other
GPA 2.98			

Experience

Mobiliz Information and Communication Technologies	07/2021 - 09/2021
Backend Intern	

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	Phishing Attack Example
A console application that hides a secret into a BMP file	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.
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.	NodeJS, Python, Selenium
C++	
Market Run	DevRoyale Backend
A Hypercasual Game Demo	The backend of a competition platform that determines the "better" code based on different parameters is designed with a three-tier architecture.
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.	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.
C#, Unity	

Skills

Programming Languages	Other
C#, C++, C, JavaScript, HTML, BASH, Python, CSS	Git, Docker

Awards

International UAV Competition Finalist	10/2017	UAV Competition Drone Category Finalist	10/2018
Tubitak		Teknofest	

Languages

English	Turkish (Native)
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