



EREN TRKL

COMMUNICATION

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(You can message me directly, no problem ☺)

PERSONAL

Birth Date: 13.12.1996

Education: Dokuz Eyll University

Dept. of Computer Engineering – Bachelor’s Degree (2016 – 2020)

Dept. of Computer Engineering – Master’s Degree (2020 – ...)

GPA: 3.26

Native: Turkish

Foreign Language: English (*Intermediate Level*)

EXPERIENCE

1. C#

- (23 October 2016) Jackpot Machine.
- (26 October 2016) Game Project called “Shaper”. (There is a box and incoming shapes placed in it, they may overlap each other.)
- (31 October 2016) A program that prints all days between two dates.
- (28 November 2016) Bingo game is written.
- (1 December 2016) “Ludo” game is done with a group of 3 developer.
- (19 December 2016) A program has been written that finds redifs, rhymes, and head rhymes in a poem.
- (26 December 2016) Game Project “LifeSim” (Presents a life cycle. There are cells and rules to be alive.)
- (2019 September – December) Student Registration System with ASP.NET, MSSQL

2. Java

- *(12 March 2017)* Real Estate Agency Management System.
- *(16 March 2017)* “Robot Games” (AI algorithms for robots) (Group of 3 developers)
- *(19 March 2017)* “SOS” game with stack structure.
- *(26 March 2017)* “Match Pair” game with queue structure.
- *(20 April 2017)* “Energy Maze” game project. (Computer tries to catch Player in a maze) (Computer has shortest path finding algorithm.)
- *(26 April 2017)* “Identity Comparison” application. (Single-Linked List structure is used for comparing objects.)
- *(24 May 2017)* A Virtual Machine is designed. (There are a CPU, Disk and RAM, there are virtual)
- *(2017 September - December)* Various Data Structures are designed.
- *(2018 February – June)* Various sorting algorithms were developed.
- *(2018 February – June)* Bus Company Management System with Swing.

3. C (Linux – Debian)

- *(31 March 2019)* Program can convert CSV, XML ve JSON to each other.
- *(10 May 2019)* Program creates index for a data file.(Key sorting algorithm is applied.)
- *(31 October 2019)* A system call is designed for Linux kernel. There are commands and they retrieve system data.
- A synchronization problem is solved with semaphores and mutexes. (There is a library that contains 10 rooms and many students flock to this library, management is done.)
- A chat room with socket programming.
- *(27 November 2017)* A Batch program in Linux. Makes calculations in different number systems.

4. (28 May 2019) A database model for event management system is designed in PostgreSQL.
 5. (25 December 2017) Web Crawling in Python. (Fetching data from a website)
 6. (2018 July – August) A computer in Von Neumann architecture is designed in Quartus.
 7. (2019 February – June) Android application “Health Tracker” (Gets input from user and calculates body-mass index)
 8. Arduino Projects
 - (24 March 2020) Seven segment display usage (counting from 0 to 9 or reverse)
 - (31 March 2020) DC motor control was made with Arduino, its speed can be changed with a potentiometer.
 - (9 April 2020) An LCD screen that displays the time and date was designed. Time and date are obtained with various functions without using any library.
 - (30 April 2020) Fire Sensor and LCD screen that shows type of fire, temperature degree.
 - (3 May 2020) Parking Assistant. The distance information is given on the LCD screen and the sound is given according to the range.
 9. (2020 February – June) A Python project that outputs the text from the graphic provided with the OpenCV library has been completed.
 - Machine learning exercises were done in Python.
 - Natural Language Processing applications were made in Python and Java.
 10. (2020 May) A project that examines the fault lines of earthquakes that took place between 2000-2020 in Turkey in various data mining tools has been completed.
 11. (2019 September – December) Hardware partials was designed using VHDL.
 12. (2019 September – December) The Elliptic Curve Cryptography algorithm was run on Windows 7 – 10 and Arduino Uno.
 13. (2020 August) Desktop accounting program developed in C#
 14. (2020 August) Google Drive API made in C#. (For Upload)
 15. (2020 November) An IR model was developed that measures similarity between texts. (Python)
 16. (2021 January) Sentiment analysis was performed for Turkish tweets Deep Neural Networks. (Python)
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17. (2021 February – March) I was hired by CoreBit Tech. and 1-month orientation exam was completed (node.js)
 18. (2021 March – Haziran) Backend tasks were completed in CoreBit Tech. (nodejs)
 19. (2021 June – 2022 July) Many backend and frontend tasks have been completed (node and angular) for the Cruise system at CoreBit Tech. I left CoreBit Tech in July because all employees were fired from the company.
 20. (2022 July – 2022 September) The thesis titled “Tourism Product Attribute Analysis and Similarity System” was focused on.
 21. (2022 September – Today) I am working as an Operational Technologies Software Specialist (Full-Stack Developer) at Vestel. (.NET Framework)
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