

Contact

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GitHub

IAmThe2ndHuman

Education

2023 - 2027

North Carolina State University

B.S. in Computer Science

2019 - 2023

TED İstanbul Koleji

Private High School in İstanbul, Türkiye

Expertise

- Flutter & Jetpack Compose
- UI/UX
- Python & Rust Backend Development
- Firebase
- SQLite and NoSQL
- Docker

Certifications

2022 - NVIDIA

Jetson AI Specialist

2022 - Conrad Challenge

Conrad Innovators

Courses

iD Tech Camps

- Advanced Python Coding with Machine Learning & Cryptography (2021)
- VR Design with Unity and Oculus Go (2019)

George Mason University

- Illustrative Python - Intro to Programming (2017)

Activities

Summer 2021 & 2022

Volunteer Tennis Coaching

Relevant Skills: Leadership, planning, problem solving

Languages

Native proficiency in Turkish & English

Limited working proficiency in Spanish

Koray Öztürkler

Software Developer

Experience

Summer 2023

Android App

TEDİST Yemek

An officially endorsed Android app built for my K-12 school that simplifies viewing the daily/weekly high school, middle school, primary school, and preschool lunch menus complete with a customizable countdown until lunchtime and favoriting system for being notified of favorite dishes on certain days. Accessing the menu was originally cumbersome and involved logging into your student portal when the menu page doesn't need authentication at all. This app simplifies the process for students and teachers alike. The app also caches the menu for offline use.

***Relevant Skills:** Flutter, web scraping, UI design, state management, Git, CI/CD, async programming*

Spring 2023

Personal Project

interra_api

Reverse-engineered my apartment's smart home technology and built a REST API server in Rust to control my bedroom's lights and air conditioning from anywhere. It abstracts away the complexities of the system and works using JSON payloads and HTTP requests. Then, I gave the endpoints and key to a friend who made a game with it that was extremely immersive. The server establishes a direct TCP connection to the smart home system and does not interface with third party services.

***Relevant Skills:** Rust, reverse engineering, multithreading, async programming, REST APIs, internet protocols, Docker*

2020-2023

Discord Bot

Meon

Verified multi-purpose Discord bot developed in collaboration with a friend. Featured commands for auto moderation, COVID-19 statistics, video game statistics, Twitch stream notifications, setting reminders, as well as several fun and utility commands for things like shortening URLs, searching YouTube, translating messages, and more. Developed an online dashboard for it to simplify configuring settings on a per-server basis. At its peak, it was in over 700 servers.

***Relevant Skills:** Python, collaborative development, REST APIs, Flask, CI/CD, Git, SQLite, async programming, HTML, CSS, JS*

Summer 2022

Neural Network

Imagine Texting & Driving

Convolutional neural network designed to quickly classify images of people texting and driving. It is versatile and can be used in a number of applications, one of which is to identify taxi drivers who are texting while driving to ensure the safety of passengers through the use of an onboard camera. It was made for the final project of the Jetson AI Certification.

***Relevant Skills:** Python, Keras, Matplotlib, computer vision*

Awards & Honors

2022 - 2023 TED İstanbul Koleji

High School Creativity Award

2022 FMV Erenköy Işık High School

City-wide Science & Technology

Article Competition (2nd Place)

2023 TED İstanbul Koleji

Golden Student Award

Awarded for contributions to student body