Samet Kara

Computer Engineer

As a person who has always had a career goal and the desire to work at the highest level, the issues I know and enjoy dealing with are as follows; I can write Query/Script/View/Procedure in the database regardless of the tool (MsSql, PostgreSQL, MySQL). It is true that I enjoy working with some languages more, but the important thing is to understand the algorithm and write appropriate functions for it, that's actually the whole point. The programming languages I master are; C, C++, C#, Java, HTML5, JavaScript, TypeScript, .Net, PL/SQL, Ado.Net, JQuery. I have a good command of the Entity Framework layer. I think I understand and use the Linq structure well. I have 2-3 years of development experience with React.Js and Node.js. I also wrote enough code to handle Angular. I am experienced enough to code robotics in a web interface using Puppeteer. I am familiar with how Ajax requests work. Due to my education life, I learned English during the preparation period for Medipol University, and I also have an upper-intermediate level of English (enough to read, understand and interpret documents).

Education

2016-2022	Istanbul Medipol University	Computer Engineering (Bachelor's Degree)

Experience

2014 October - 2015 June	İGDAS	Istanbul Gas Distribution Industry and Trade Inc.	Accounting Summer Internship
2019 July - August	Bereket Insurance - Bereket Pension and Life	Information Technologies Summer Internship
2022 April - 2023 June	Digicore Software Industry and Trade Joint Stock Company	Junior Full Stack
2023 August - 2024 February	Spidya Software Joint Stock Company	Junior Full Stack

Languages

		Reading	*Writing*	*Speaking*
English	C1	%80	%80	%60
Turkish (Primitive Language)		%100	%100	%100

Computer Skills

C++	%85
PostgreSQL	%85
MsSQL	%70
Java	%80
JavaScript	%85
PL/SQL	%60
MySql	%40
React.js	%80
Microsoft Office	%90
Css	%70
.Net	%90
C#	%85
TypeScript	%70

+90 554 838 65 78

samet.krx@gmail.com

Courses and Certificates	Granted Institution	History
Access to Accurate and Reliable Information on the Internet	BTK Academy	2020
Blockchain Fundamentals and Application Technology	BTK Academy	2020
Internet Security Certificate	BTK Academy	2020
Screen Addiction Certification	BTK Academy	2020
Business Opening Certificate	Ministry of Education	2015

Areas of interest

Artificial intelligence
Image processing
Machine Learning
Human-Machine Communication
Deep Learning

MVC Structure
.NetCore
Entity Framework

Projects

1- Analysis of Collagen Bundles in the Human Cornea for Personalized Treatments for Corneal Diseases

Project Description

The overall aim of the project is to develop a method that can help detect eye diseases. We were able to do this by detecting the morphological features of the fibers in the cornea. Thinking that I could make a determination on the linearity of collagen bundles in the human cornea from these morphological features, I set a target for myself. The reason I chose the linearity feature is the data I have. I basically divided the data I have into two as the data of individuals with and without eye disease. By examining images of individuals with and without eye disease, I looked at these morphological features and formed my own theory. My theory was that the number of folds in the images of sick individuals was much higher and more pronounced than in healthy individuals. For this reason, I chose the morphological feature to be detected as linearity. The main purpose of the project is definitely not to determine whether the individual is sick or not. I aim to create an infrastructure for the methods that can detect this, together with my own method.
I can summarize my general goals as follows;
My primary goal is to provide clear images of the collagen bundles I have. Then, the phase of detecting the bundles, which I aim to ensure 50% detection of the bundles in the collagen bundle images examined, begins. After the cluster detection, the morphological feature that I think will be useful in clinical studies will be determined. This property is the linearity of the bundles.
After completing these steps, I will move on to the development phase by processing the method on images. As the data is processed, the improvements in the method will increase accordingly. The method that emerges at the end of the project will now be a method that can detect linearity.

2-Artificial Intelligence Supported Application to Provide Communication Between Students and University Units

Project Description

After the studies carried out at Istanbul Medipol University, a communication breakdown was detected between the university units and the students. As a solution to this problem, Medipol University Event Management System (MEYOS), which is a common communication network, was created. The application will solve the communication problem between students, student clubs and administrative unit.
The application is an important output in terms of communicating with university students, academic and administrative staff within the scope of the activity. Medipol University Event Management System emerged with the problem of not announcing the events organized within the university. As a solution, the idea of a mobile application that will include artificial intelligence has emerged. The application brings together the students, academic and administrative staff of the school. Thanks to the functions in it, student clubs will be able to announce the events to be held before the date, and students will be able to follow the activities of the club they want. In addition, the physical approval process created between the students responsible for the student clubs and the administrative staff will be transferred to the online environment, thus saving time. The application is planned to be written in Dart software language and includes many different functions. Finally, thanks to the artificial intelligence that is thought to be used in practice, a tracking mechanism will be created for the hours most preferred by students, and accordingly, the best option will be offered to students and officials.