



Hasan Mutlu

Eskişehir

Computer Engineering Student

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EDUCATION

•Gebze Technical University

2019 -

Computer Engineering Bachelor's

GPA: 3.07

EXPERIENCE

•Birleşik Yazılım

July - August 2022

Software Development Intern

Gebze, Kocaeli

- Worked on the company's website as Full Stack Developer. HTML-CSS-Javascript are used alongside C# and SQL on ASP.NET Core.

PROJECTS

•Appointment Application on Android 📱

School Project

- Within the scope of the Software Engineering course, an Android application was developed as a group project. The application allows customers to make appointments with professionals who are experts in their fields. In the project, both front-end and back-end parts were involved. Flutter was used while developing the app. Agile methods were used throughout the project.

•Mini MIPS Processor Project 📱

School Project

- As part of the Computer Organization course, a single cycle processor was designed, which is a simple version of MIPS. It can run some simple commands and small programs. The design of the processor was done in the Quartus II program, largely using the structural Verilog HDL.

•Hardware Trojan Detection Using Delay Based Methods on FPGA 📱 📱

Graduation Project

- This project aims to detect hardware trojans on the FPGA by measuring the delay values of a single sample logical circuit path and its infected versions. Verilog HDL language is used. In the first semester of the project, a significant difference was detected in the delay values between the clean path and its infected versions, and the method proved to be effective. In the second semester, it was aimed to detect trojans that managed to hide in cases where intra-chip and inter-chip variations were effective on delay values. "Delay Rate" method is used to reveal this hidden trojans and it was concluded that the method was largely effective.

•Other Projects

You can access my other projects from my website.

SKILLS

C / C++: Advanced Level

Python: Advanced Level

Java: Advanced Level

Verilog HDL: Advanced Level

Flutter / Dart: Intermediate Level

Assembly: Intermediate Level

SQL: Intermediate Level

Javascript: Intermediate Level

HTML - CSS: Beginner Level

C#: Beginner Level

LANGUAGES

Turkish: Native

English: Proficient