Hasan Mutlu
Eskişehir
Computer Engineering Student

📞 534 685 2803
✉ h.mutlu2018@gtu.edu.tr
✉ hasanmutlu2633@gmail.com
GitHub: hasanmutlu26
Linkedin: Hasan Mutlu
Website: hasanmutlu26.github.io

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.

PUBLICATIONS

• Fatma Nur Esirci, Hasan Mutlu, Alp Arslan Bayrakci, "FPGA Based Verification of Delay Variations and the Difficulty of Delay Based Hardware Trojan Detection" 14th International Conference on Electrical and Electronics Engineering (ELECO), 2023. 🔗

(It is presented at the ELECO 2023 conference and will be published soon.)

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.

•**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 using the "Delay Rate" method.
– This project paved the way for the conference paper mentioned above.

•**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