

EXPERIENCE

PTT Inc, Ankara, Türkiye (Intern, Software Development)

2024 Summer Term

- Conducted an investigation into the reasons for the slow opening times of the company's proprietary email system by analyzing the queries in the database. Implemented SQL query optimizations, eliminated unnecessary complexities, debugged errors, and repaired and resolved issues within the system.
- Improved the system's performance by 17.28%, successfully reducing the opening time from 1.5 minutes to 1.4 seconds, with these enhancements calculated and achieved.
- Received a written internship offer based on my prior experience in data management and software development.

Birkil Information Technologies, Ankara, Türkiye (Intern, Embedded Software)

2024 Winter Term

- Designed a test system to evaluate the functionality and response times of various modules while working with microcontrollers. Embedded systems projects were constructed using C and C++ programming languages with STM32 and Arduino microcontrollers, along with Relay, LED, Potentiometer, Servo Motor, Bluetooth, Joystick, and Sim808 modules. According to the performance analyses conducted on the system, a 19.85% improvement was achieved, demonstrating the effectiveness of each microcontroller system in practical applications.
- Developed and engineered STM32 and Arduino microcontrollers with additional modules to enhance functionality. Various projects were designed and developed using these modules, resulting in an average development improvement of approximately 31.63% in system performance.

Etiya, Ankara, Türkiye (Intern, Software Development)

2023 Winter & 2023 Summer Terms

- Accelerated data access for customer information using SQL. Achieved a 13% improvement in data accuracy and a 97.5% enhancement in accessibility. This optimization facilitated quicker access to critical data, further streamlining operations.
- Assumed a role in the development of Java-based applications, enhancing my understanding of the Java framework and its applications in software development.
- Utilized Jira for project management to ensure organized workflows and efficient task allocation among team members, while engaging in software testing with Telaura to identify and resolve issues, thus enhancing overall software quality. Quickly adapted to new technologies and frameworks, demonstrating strong problem-solving skills and the ability to learn independently.
- Received a verbal internship offer following my contributions to data management and software development.

VHS Electronic, Ankara, Türkiye (Intern, Electrical Engineering)

2022 Summer Term

- Designed, engineered, and implemented new electrical panels for the local transformer station to facilitate accurate electricity measurement and achieve energy savings for companies in the region. This project resulted in a 24.7% reduction in energy consumption across the industrial zone.
- Conducted product testing while gaining basic knowledge in engineering principles, wiring, and soldering.

EDUCATION

Ostim Technical University, Ankara, Türkiye

2021 – Present

Bachelor's Program in the Department of Electrical and Electronics Engineering

Projects: Executing a "Temperature Controller" project as part of "Control Systems Development".

SKILLS

Programming Languages: C, C++, Python, Java, SQL

Tools and Technologies: Jira, Microsoft Teams, Telaura, GitHub, VSCode, Arduino, STM32, Blender, Solidworks, AutoCAD

Languages: Turkish (Native Language), English (C1), German (A1), Italian (A1)