

WORK EXPERIENCE

Etiya, Ankara, Turkey (Intern, Software Development)

Feb – May 2025

- Architected and deployed a fully responsive personal portfolio website using HTML, CSS, and JavaScript, showcasing technical projects with optimized 3D assets modeled in Blender, resulting in an engaging user experience.
- Engineered and tested a custom animated loading screen using asynchronous rendering techniques to reduce perceived wait time during 3D model loads, leading to a 14.5% boost in overall performance and smoother UX.

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

Jun – Jul 2024

- Analyzed and revised electrical schematics using AutoCAD to optimize circuit layouts, resulting in a 2.18% increase in energy efficiency across the system.
- Strengthened core computer science knowledge by independently studying data structures and algorithms during the internship, enhancing overall problem-solving abilities and technical readiness.
- Received a written internship offer in recognition of technical contributions, proactive learning, and consistent performance throughout the placement.

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

Jan – Feb 2024

- Designed and developed embedded systems projects utilizing STM32 and Arduino microcontrollers, programming in C/C++. Constructed a test system to evaluate functionality and response times of various modules, achieving a 19.85% improvement in performance through detailed analysis.
- Implemented and integrated additional modules with STM32 and Arduino platforms to enhance overall system capabilities. These developments led to an average 31.63% increase in development efficiency and system responsiveness across multiple projects.

Etiya, Ankara, Turkey (Intern, Software Development)

Jan – Feb 2023 & Jun – Jul 2023

- Optimized SQL queries to improve customer data access efficiency, resulting in an 11.3% increase in data accuracy and a 17.5% reduction in retrieval time, thereby streamlining key operational workflows.
- Contributed to the development and enhancement of Java-based applications, including improvements in user interface design, resulting in better usability and user experience.
- Utilized Jira for workflow management and Trello for QA testing, where I diagnosed and resolved bugs to strengthen application stability. Demonstrated fast adaptation to new tools and frameworks through strong independent problem-solving.
- Received a verbal offer before the internship began and was invited to return after successful completion.

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

Jun – Jul 2022

- Designed and implemented electrical panels for a local transformer station, enabling accurate energy measurement and contributing to a 24.7% reduction in energy consumption across the industrial zone.
- Conducted product testing and developed foundational skills in engineering principles, wiring, and soldering.

EDUCATION

Ostim Technical University, Ankara, Turkey

2021 – 2025

B.Sc. in Electrical and Electronics Engineering

Projects: Temperature Controller with Pid On - Off and Slow PWM Functionality

Designed and implemented a temperature control system with selectable PID, On/Off, and Slow PWM functionalities. Simulated control logic using MATLAB/Simulink and deployed on a microcontroller for industrial heating applications. (<https://github.com/ueceu/Graduation-Project>)

SKILLS

Languages: Python, Java, C, C++

Frontend: HTML, CSS, JavaScript

Backend: Java, SQL

Embedded Systems: STM32, Arduino, UART, PWM, I2C

Tools & Others: Blender, AutoCAD, Solidworks, Git, GitHub, JIRA, Trello, MATLAB