

Zeynep Öksüz

05423702546 • zynepesnksz@gmail.com • [LinkedIn](#) • [GitHub](#)

Profile Summary

Highly motivated Computer Engineering student in the 3rd year at Hitit University, specializing in robotics, image processing, and AI. With technical leadership in a TÜBİTAK project and deep responsibilities in a Teknofest initiative, I excel at transforming theoretical knowledge into practical solutions. As a Huawei Campus Ambassador, I drive secure system development and showcase strong leadership skills. Passionate about sustainable tech, my interdisciplinary approach addresses solutions with societal impact.

Core Competencies / Skills

Python | C++ (used in ROS projects) | ROS (Robot Operating System) | Gazebo Simulation | Image Processing | Computer Vision | API Development | RESTful Services | Secure Communication Protocols (SSL / Token-based Authentication) | Machine Learning Data Preparation | Dataset Labeling | Embedded Systems Integration | Algorithm Design | Problem Solving | Technical Project Management | Team Leadership

Employment History Campus Ambassador, HUAWEI Student Developers (HSD)

Sept 2025 – Present

Serving as a Campus Ambassador for HUAWEI Student Developers in Türkiye involves promoting technology initiatives and resources across the university community. Engaging with students and faculty to facilitate workshops and events that highlight advancements in computer science and engineering. Building relationships with peers to expand the reach of technology education and innovation. This role demands strong communication skills and the ability to inspire interest in emerging tech fields.

- Actively managing a **community of 150+ members** in the fields of game development, mobile development, and entrepreneurship
- Organized **5+ YouTube live sessions, 4 online training programs, and 10+ physical events** to support technical learning and community engagement
- Coordinated with industry professionals for speaker invitations and managed **content planning and event communication processes**
- Moderated live sessions, including **speaker coordination, moderation selection, and content/question flow management** (*link available*)

Project Executive, TÜBİTAK 2209-A Sign Language Translation Project

Jan 2025 – Present

Managing the idea generation and application process for the TÜBİTAK 2209-A Sign Language Translation Project, focusing on team formation and leadership, including oversight of API development for data exchange and implementation of communication security protocols. Managing data set preparation and labeling for model training, ensuring robust system and data security.

- Managed team formation and leadership, driving project execution from conception to application.
- Developed APIs for secure data exchange, enhancing communication protocols with SSL/token integration.

- Oversaw dataset preparation and labeling, ensuring comprehensive training for machine learning models.

Technical Developer, Teknofest Unmanned Ground Vehicle

May 2024 – Present

Served as the Technical Developer for the Teknofest UGV Project, simulating the competition track and integrating the STL robot model into the simulation environment. Developed image processing algorithms for autonomous target locking and obstacle detection using ROS and Gazebo, facilitating advanced robotic design and development.

- Designed image processing algorithms for autonomous target acquisition, improving operational accuracy.
- Integrated sensor technologies and data processing to enhance system functionality and performance.

Education Bachelor's degree in Computer Engineering

Jan 2023 – Present

Hitit University

Certification

Social Entrepreneurship Training – Orta Karadeniz Development Agency (OKA), 2026

Completed under the TR83/25/TD4-SKG/0030 Social Development and Entrepreneurship Technical Support Program

Business Readiness Training – Orta Karadeniz Development Agency (OKA), 2026

Completed under the TR83/25/TD4-SKG/0030 Social Development and Entrepreneurship Technical Support Program

Referances

Gürsel PAKDEMİR

Rüstem ÖKSÜZ

Additional references are available upon request, including my HUAWEI Student Developers supervisor, Kübra Bilgiç.