

SERDAR SÖYLEMEZ

SOFTWARE ENGINEERING STUDENT

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SUMMARY

Software engineering student focused on software development, algorithm design, and database systems. Worked on software development and system integration projects in academic settings, focusing on autonomous systems. Explored and practiced areas of network security and threat analysis. Worked on system optimization and coordination in international project teams.

PROFESSIONAL EXPERIENCE

APL transportation, London

June 2023 - Feb 2024

- Managed transport operations at a London-based company, optimizing route planning, coordinating cross-cultural teams, and contributing to **software transformation** to improve efficiency and service quality.

Freelancer / Self-Employed

- Worked on various software projects for different clients, focusing on practical solutions and efficient development processes.

PROJECTS

Combat UAV Competition — National UAV Challenge

Oct 2024 – Aug 2025

- Designed and implemented a UAV with ROS2, integrating autonomous navigation and real-time control.
- Utilized C++/Python, Gazebo & PX4 simulators for testing and system optimization.
- Collaborated in a multidisciplinary team, achieving robust software-hardware integration.

SKILLS

- Programming & Frameworks:** Python, C/C++, ROS2, Selenium, Prompt&Context Engineering
- Algorithms:** Design and Analysis of Algorithms, Data Structures
- Databases:** SQL, Relational Database Design
- Software Tools:** Git, Jira, Docker, Linux, Simulation Tools (Gazebo, PX4), Vim
- Cybersecurity:** Network Security, Threat Analysis, Vulnerability Assessment
- Core Competencies:** Problem Solving, System Optimization, Team Collaboration

EDUCATION

Bachelor's Degree in Software Engineering

Sep 2021 - June 2026

- Maltepe University
- Relevant coursework in Software Engineering, Project Management, Software Architecture, Database Systems, Algorithms & Data Structures, and Business Management.

ADDITIONAL INFORMATION

- Languages:** Turkish(Native), English(Fluent), German(Beginner).
- Interests:** Algorithmic problem solving, Robotics, Tennis.