



Berkay Şimşek

Computer Engineering Student at Bilkent University

Profile

Driven and detail-oriented computer engineering student proficient in C++ and Java, seeking a software engineering internship to apply problem-solving and collaboration skills. Quick to learn new technologies, as demonstrated by a portfolio of academic and personal projects on GitHub. Eager to contribute to real-world software solutions.

Details

Ankara

Türkiye

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Education

High School Diploma, TED Ankara College

2018 — 2022

Bachelor's Degree in Computer Engineering, Bilkent University

2023 — 2027

Links

[GitHub](#)

[LinkedIn](#)

Skills

C++

Java

JavaFX

Git – Github

Spring Boot

React.js

PostgreSQL

Languages

English

Turkish

Projects

Research and Study Management Platform

- A scalable full-stack research and study management platform was implemented by a team of five using Spring Boot 3.5 and React, with JWT-based authentication and role-based access control via Spring Security.
- A complete study lifecycle management system was implemented, including validation, versioning, publishing workflows, and role-aware data handling using PostgreSQL and Spring Data JPA.
- AI-driven quiz and assessment generation were implemented via external API integration using an asynchronous, non-blocking architecture with Spring WebFlux.

Algorithms and Programming Group Project

- Developed a desktop application using JavaFX, enabling separate, secure workflows for Customers and Restaurant Owners.
- Architected a modular system using Object-Oriented Programming, implementing custom interfaces for seamless UI navigation and restaurant filtering.

Academic Essay Group Project

- Wrote an academic essay in Turkish about an association.
- Improved my teamwork, report writing, and researching skills.

Experience

Software Engineering Intern, Asisguard, Ankara

August 2025 — September 2025

- Created an RTSP webcam server with TCP-based control of stream parameters such as resolution.
- Developed a Node.js/Express web app with HTML/CSS/JS to display the RTSP stream.