

# GÖKTUĞ AYGÜN

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## EDUCATION

### **SABANCI UNIVERSITY**

Sep. 2021- Expected Jun. 2025 • **Istanbul, Turkey**

BSc in Computer Science and Engineering, School of Engineering

Minor in Decision & Behavior

- Relevant Coursework: Software, Development, Computer Networks, Operating Systems, Data Structures, Database System, Advanced Programming, Mobile Application Development
- Current GPA : 3.81

## PROJECTS

### **SABANCI UNIVERSITY**

• **Istanbul, Turkey**

FlightRoster Web Application Project

Spring 2024

- Managing flight and crew schedules, passenger information
- Building a web application using JavaScript, NodeJS platform
- Leading the backend team of group of 7

StudyBuddy Mobile Application Project

Fall 2023

- Aiming to connect students studying similar courses to support collaborative learning
- Building a mobile application using Java, Spring Framework and Android
- Designing and developing frontend and backend for application as part of group of 4

Client/Server Application Project

Fall 2023

- Designing a client server application layer and implementing using TCP socket
- Building a mobile application using C# as part of group of 2

Deaths Around the World by Cause Database App

Spring 2023

- Designed and built relational models and database system
- Participated in a group of 5 undergraduates
- Found and formatted data from ourworldindata.org

Analysis of Female MP's in Turkish Assembly Throughout Its History

Spring 2023

- Scraped, parsed, analyzed data from Grand Assembly of Turkey to investigate gender inequality
- Coordinated a group of 5 undergraduates

12V-5V Step Down DC-DC Converter

Fall 2021

- Led team of 6 randomly assigned members
- Prepared final presentation

## WORK EXPERIENCES

### **TECHNICAL EXPERIENCES**

#### **SABANCI UNIVERSITY**

• **Istanbul, Turkey**

Assistant for Introduction to Computing

Spring 2023

- Lectured 30 students weekly by using C++ (10 hours weekly)
- Conducted 78 office hours to help solve students' problems throughout semester
- Communicated with team of 28 including professors, assistants about course material

Assistant for Computational Approaches to Problem Solving Fall 2022 & Fall 2023  
(10 hours weekly)

- Facilitated discussion for 70 students with Python
- Held 42 office hours to help solve students' problems
- Organized the course methodology as a member of a team of 24 with professors, assistants

## **FINARTZ**

Project Intern, Software Development Feb. 2022 (Full Time)

- Developed an application for IOS and Android
- Worked on database and information automation by using object-oriented programming

## **SOCIAL EXPERIENCES**

### **SABANCI UNIVERSITY**

Marketing and Institutional Communications Team Member Sep. 2022 – Present (10 hours weekly)

- Participate in a team of 70 and direct events for high school students
- Deliver presentations and give speeches about the university

Summer High School Mentor Jun. – Aug. 2022 (Full Time)

- Coordinated 21 activities besides workflow as a member of a team of 25
- Tutored 100 high school students for their adaptation to university life

## **SKILLS**

**Linguistic:** Turkish (*Native*); English (*Advanced*); German (*Beginner*)

### **Computer Related:**

**Languages:** C++, C#, C, Python, Java, HTML, CSS, JavaScript, MySQL

**Developer Tools:** VS Code, Eclipse, Android Studio, Google Colab

**Technologies/Frameworks:** Docker, MongoDB, Linux, Bootstrap, Github, Matplotlib, Pandas, NumPy, Seaborn, Spring

## **VOLUNTEER WORK**

**Civic Involvement Projects:** Sep. 2021 – Jan. 2022 • Istanbul, Turkey

- Visited animal shelters and cared for dogs in need

## **ACTIVITIES**

<b>Board Member</b>	SUGastro -Organization Department-	Spring 2024
<b>Board Member</b>	SUBChain -Organization and Sponsorship Department-	Fall 2022 - Fall 2023
<b>Competitor</b>	ASMA (An international Mathematics Exam)	Fall 2018 - Spring 2019
<b>Attendee</b>	CERN Particle Physics Activity in Özyeğin University	Mar. 2020
<b>Attendee</b>	İstanbul Üniversitesi Physics Workshop	Feb. 2020
<b>Competitor</b>	Math League (An international Mathematics Exam)	Fall 2018 - Spring 2019

## **REFERENCES**

Kamer Kaya	Programming Instructor	Sabancı University	<a href="mailto:kamer.kaya@sabanciuniv.edu">kamer.kaya@sabanciuniv.edu</a>
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