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

Minors in Mathematics and Decision & Behavior

- Relevant Coursework: Computer Networks, Operating Systems, Data Structures, Database System, Advanced Programming, Mobile Application Development
- Current GPA : 3.83

PROJECTS

SABANCI UNIVERSITY   ● **Istanbul, Turkey**

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
- Facilitated discussion for 70 students with Python (10 hours weekly)
- 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 ● **Istanbul, Turkey**

Project Intern, Software Development Feb. 2022

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

SOCIAL EXPERIENCES

SABANCI UNIVERSITY ● **Istanbul, Turkey**

Marketing and Institutional Communications Team Member Sep. 2022 – Present

- Participate in a team of 70 and direct events for high school students (10 hours weekly)
- Deliver presentations and give speeches about the university

Summer High School Mentor Jun. – Aug. 2022

- Coordinated 21 activities besides workflow as a member of a team of 25 (Full Time)
- 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

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

INTERESTS
Film Analysis and Criticism, Blockchain Technology, Coding, Football, Lacrosse, F1, Chess

REFERENCES

Kamer Kaya	Programming Instructor	Sabancı University	kamer.kaya@sabanciuniv.edu
İnanç Arın	Programming Instructor	Sabancı University	inanc.arin@sabanciuniv.edu
Canan Kaşıkçı	Mathematics Instructor	Sabancı University	canan.kasikci@sabanciuniv.edu
Ayhan Bozkurt	Electronics Instructor	Sabancı University	ayhan.bozkurt@sabanciuniv.edu