

BERÇİN SABA GÜNGÖR

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EDUCATION

Excepted Jun 2025 **SABANCI UNIVERSITY – Bachelor’s degree** *Faculty of Engineering and Natural Sciences*
Computer Science and Engineering

Course Highlights: Mathematics, Natural Sciences, Computational Approaches to Problem Solving (via Python), object-oriented programming (via C++& Java), memory allocation (via C++), introductory level of material science, Logic and Digital System Design, Mobile Application Development, Web API’s (Backend Programming), Android Programming (Frontend), Spring Framework, Data Structures, Data Science, Machine learning models, Business Analytics.

GPA: 3.50

Concentrations: Advance programming and Business Analytics.

Online Training:

Jul– Sept 2022 Introduction to Object-Oriented Programing via Java by Akın Kaldıroğlu
Udemy

Jul 2022 - ... Java Swing (GUI) Programming: From Beginner to Expert by John Purcell
Udemy

SKILLS

Language: Turkish (Native), English (Upper Intermediate)

Computer: Python, C++, Java, Java Swing (GUI), MySQL database, Verilog, QT, Excel, Web Scraping, working with Machine Learning models.

Soft Skills: Team working, communication, problem solving, presentation skills, leadership

PROJECTS

Feb 2023 - ... **SURegister:** Mobile Course Registration App for Sabancı Uni. Students

- A mobile application for Mobile Computing course in Sabancı University.
- Working on a mobile application that can be useful to Sabancı University students during their course registration period , using MongoDB

as database, Java Spring framework for Back-End development and Android Studio for Frontend development.

- Currently working on Frontend.

March 2023 – ...

An Analysis of Air Pollution and Respiratory Health in Türkiye

- Conducting a research project analyzing the relationship between air pollution levels and respiratory diseases using data from the “Republic of Türkiye Ministry of Environment, Urbanization and Climate Change” and the “Turkish Statistical Institute”.
- Utilizing data with help of machine learning (linear regression, Time Series Analysis ,) and hypothesis testing (chia square test) techniques on air quality measurements and causes of death from 2009-2017 to compare the cities or regions with the highest air pollution levels and the number of deaths in those regions, as well as the main causes of death in cities.
- Aiming to create awareness about the importance of air pollution and the role of acting against it in improving social life quality and health.
- Currently we are trying to find an optimized model for our machine learning model prediction.

WORK EXPERIENCES

Jan 2023 – Feb 2023

Internship-Computer Science Intern at Şişecam

Worked as an intern in Şişecam. Worked in all departments of Şişecam and especially with sub-departments in the IT department. Conducted case study with a group of 5 people and ranked first among the groups.

Oct 2022 - Jan 2023

CS 201 Introduction to Computer Science Course Assistantship - Sabanci University Learning Assistance

ACTIVITIES

Jan 2015 - Jun 2019

Captain of High School Tennis Team

Feb – Jun 2021

Civic Involvement Projects (CIP) - Racism Throughout History (Interview)

March 2023 - ...

Sabanci University Civil Involvement Projects (CIP) - Cesur Kızlara Yol Arkadaşlığı – Brave Girls of The World Association

March 2023 -

IEEE(Institute of Electrical and Electronics Engineers) EMBS Student Branch – Active Membership

INTERESTS

- Tennis, indie rock music, self- development books, writing, swimming, travelling, photography, science, cooking , researching .

