

## ALPER KAAAN ODABAŞOĞLU

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<https://github.com/alperkaan01>

### EDUCATION

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#### SABANCI UNIVERSITY

3.95/4.00 • Expected June 2024 • Istanbul, Turkey

**Honors/Awards:** Five terms High Honor Certificate (GPA higher than 3.5), Full Scholarship, 2<sup>nd</sup> in Advanced programming among all CS students with high average, Physics Extra: Quantum Physics high success certificate

*B.S in Computer Science and Engineering, Faculty of Engineering and Natural Sciences (Junior)*

- Course Highlight: Introduction to programming with Python, Introduction to programming with C language, Advanced Programming with C++, Data Science, Mobile Application Development, Data Structures, Algorithms, Software Development, Database Systems, Computer Networks, Probability, Statistical Modelling, Discrete Mathematics

*Extra in Physics*

- Course Highlight: Natural Sciences, Introduction to Quantum Physics and Particle behavior

*Extra in Economy*

- Course Highlight: Macroeconomics

#### BAHÇEŞEHİR ANADOLU HIGH SCHOOL

99+/100 September 2015-June 2019 • Antalya, Turkey

### WORK EXPERIENCE

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#### SOFTALYA SOFTWARE INC.

June - August 2021 • Antalya, Turkey (Office in Antalya Teknokent)

*Agile Software Development Intern, Web Development Program*

- Gained knowledge about HTML, CSS, JavaScript and React.js and implemented our knowledge by designing a rehabilitation website.
- Worked on Front-end web development and designed a log-in page as well as a part of dashboard
- Accustomed to the project environment and team work

### PROJECTS

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#### Computer Networks Socket Programming Project

October 2022 – ongoing

- Developing a mini game with implementing server and client sockets using C# and threads.
- Enhancing the team work skills.

#### Agile Full Stack Software Development

October 2022 – ongoing

- Developing a full stack web application using MERN stack for Turkish Football Federation to ensure a better referee assignment mechanism and better UI, UX design.
- Understanding the concepts of agile software development, scrum meeting, sprint handling, project management, version control and deployment
- Enhancing the team work skills by leading the team

#### Database Systems Term Project

October 2022 – ongoing

- Generating an Olympics database website using SQL, HTML, CSS and PHP.

#### Unity Hyper-Casual Mobile Game Project

August 2022 – September 2022

- Implemented a multi-leveled hyper-casual game including comprehensive C# scripts, animations and physics system.

**Unity Hyper-Casual Mobile Game Project**

August 2022 – September 2022

- Implemented an endless runner type hyper-casual game that includes comprehensive C# scripts, physics system, score system, shop system with character selection mechanics and character track mechanism.

**Mobile Programming Course Social Media App Term Project**

February 2022-June 2022

- Understand the logic behind interface design, validation checks, toggling actions, Firebase analytics, Firebase Crashlytics, Firebase core, authentication etc.
- Create a well-designed social media interface with Flutter and link it to backend service
- Enhanced the team-work skills

**Data Structures Course Mini Projects, Sabancı University**

February 2022-June 2022

- Completed mini projects taking 1-2 weeks such as random maze generator using stacks, implementation of a notebook using AVL and Binary Search Tree for speed comparison, implementation of a basic search engine using Hash Table as well as Binary Search Tree for speed comparison. Sorting project with some sort algorithms such as quick and heap sort.

**Data Science Course Term Project, Sabancı University**

February 2022-June 2022

- Enhanced the skills about exploratory data analysis, hypothesis testing and machine learning models.
- Worked on a group term project about predicting the Bitcoin price range with Python using different machine learning models which were linear regression, logistic regression, and kNN models.

**Python Project, Sabancı University**

February 2022

- Add drop bot that automatically takes course from bannerweb system with selenium module

**Advanced Programming Course Mini Projects, Sabancı University**

October 2021-January 2022

- Completed mini projects taking 1-2 weeks such as Minesweeper game with 2D matrices, add-drop period for university courses using linked-lists, management system for IETT bus line with complex hybrid 2D linked list structures, car renting program using object sharing, and a mini project using inheritance.

**High School Physics Project**

March 2017-June 2017

- Develop a physical model to minimize the energy cost for a boat in sea for the emergency situations
- Generate a piece to store wave energy to be utilized in emergency situation

**SKILLS**

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**Language:** Turkish (Native), English (Advanced)**Computer:** C++, C#, Python, Flutter, Dart, HTML, CSS, JavaScript, React, Express.js, Node.js, MongoDB, SQL, (basic) PHP, Firebase Systems, git, git bash, Postman, Visual Studio Code, Visual Studio, Android Studio, Microsoft Office Applications (Word, PowerPoint), google collab, Unity Hub**ACTIVITIES**

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**SuDance (Dance club), Sabancı University – Active Member** February 2022 - October 2022**Tea Talks with Ceos (Academic club), Sabancı University** September 2019 - September 2022**VOLUNTEER WORK**

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**Civic Involvement Project in Sabancı University**

September-January 2021

- Tutored fourth grade students about social awareness and spent time with them at state elementary school.

**Civic Involvement Project in High School**

- Cleaning the beach side in Antalya