

Isil Su Karakuzu

+90 507 329 7946 | isilsukarakuzu1967@gmail.com | [linkedin.com/in/isilsukarakuzu](https://www.linkedin.com/in/isilsukarakuzu) | github.com/isilsukarakuzu

EDUCATION

Bogazici University

Bachelor's Degree, Computer Engineering

Aug. 2020 – **Expected** June 2025

Istanbul, Turkey

EXPERIENCE

Commencis

Frontend Engineer Intern

July 2024 – Sept. 2024

Istanbul, Turkey

- Co-developed a Digital Library project from start to finish, enabling users to upload and read E-books, using **React**, **Redux**, **TypeScript**, and **styled-components**.
- Developed components and pages for the web frontend of an internal retail app using React with **Axios**, following designs from **Figma** and **Zeplin**, while collaborating with backend and design teams.

Siemens

Part-time Software Engineer

Jan. 2023 – Oct. 2023

Istanbul, Turkey


- Resolved **10+** bugs across APIs for **3+** Docker containers in Siemens' internal web application for industrial communication, utilizing **Java Spring Framework**, and **PostgreSQL**.
- Enhanced user experience by implementing critical features like **Syslog Forwarding**.
- Tested **3+** **Docker containers** with **JUnit**, achieving a **70%** increase in coverage.
- Researched and presented** articles on **Edge Computing** and **Test Driven Development**, informing future project strategies.

Bogazici University

Undergraduate Teaching Assistant

June 2022 – June 2024

Istanbul, Turkey

- Systems Programming:** Developed an assignment for students to create a **limited natural language interpreter**, including grammar definition, parsing, and tokenizing using **C**.
- Data Structures and Algorithms:** Contributed to an assignment on **complex heap trees** and sorting algorithms, and assisted in preparing the auto-grader.
- Introduction to OOP:** Delivered lectures, led lab sessions on **Java** and **OOP** with StdDraw, and developed a Java game clone project focusing on **Discrete Event Simulation** for a graded assignment. | 

MAP Electronic Commerce & Data Services Inc.

Integration Engineer Intern

June 2022 – Aug. 2022

Istanbul, Turkey

- Identified and resolved data flow issues in B2B transfers for MAP's customers by managing **Linux** and Microsoft servers, optimizing **EDI** processes, and enhancing file transfer efficiency.

PROJECTS

Playlog | | Python, Django, MySQL

- Led backend development using **Python**, **Django**, and **MySQL** for a gaming data platform with semantic search via **Wikidata API**, built **RESTful APIs**, and produced detailed documentation using **Git** and **GitHub**.

C-interpreter | | C, Linux, Git, Makefile, Unix Scripting

- Developed an **interpreter** for a rule-based programming language with binary operations and functions in **C** on a **Linux** platform using **GCC/G++**.

VOLUNTEERING

BuCode / Bogazici Algorithm Competition - Bogazici University

Founder & Executive Director

Sep. 2023 – June 2024

Istanbul, Turkey

- Founded and led Boğaziçi University's **first ICPC-style contest** with a diverse team, including IOI medalists. Organized **40+** algorithm problems, secured **\$10,000+** in sponsorship, and attracted **120+** teams with **350+** participants from **15+** universities, marking a major milestone in the university's academic calendar.

inzva Hackerspace

Guide & Problemsetter

Sep. 2023 – Present

Istanbul, Turkey

- Lectured university students on **segment trees**, **lazy propagation**, and **dynamic programming** with **C++**, and created **5+** problems on algorithms and data structures.

BuPaws / Bogazici University Animal Rights Club

First Aid Team Member

June 2021 – Present

Istanbul, Turkey

- Responsible for taking animals on campus to the vet when first aid is needed. Saved **10+** animals so far.