

Berktuğ Kaan Özkan

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EDUCATION

- **Istanbul Technical University** Istanbul, Turkey
Bachelor of Engineering in Computer Science; GPA: 3.65/4.00; High Honor List 2018 – 2022
- **Izmir High School of Science** Izmir, Turkey
GPA: 94/100; High Honor List 2014 – 2018

EXPERIENCE

- **OBSS** Istanbul, Turkey
Part-Time Software Engineer August 2021 - May 2022

PROJECTS

- **Flower App:** A flowchart designer written in React which helps to create, export and simulate algorithms into and from flowcharts.
Project Link: <https://github.com/spaceymonk/flower-app>
- **NewMonopoly:** An example project that focused on the software project planning by detailing concepts such as requirement analysis, use-cases and related diagrams, WBS, Gantt charts etc.
Project Link: <https://github.com/spaceymonk/new-monopoly>
- **Latin Squares:** An analysis of various algorithms to generate Latin squares in C++.
Project Link: <https://www.github.com/spaceymonk/latin-squares>
- **Tile Editor:** A map editor for creating basic 2D tiled games.
Project Link: <https://www.github.com/spaceymonk/matrix-designer>

Please check my GitHub page for the detailed list of all my projects and blog posts.

ACADEMIC ACCOMPLISHMENTS

- **A Location Based Solution to Improve Trust to HES Codes:** In order to withstand Covid like contagious diseases, with the help of the technology, contact tracing applications had been introduced in our daily lives. In this paper we developed a proof of concept application feature to improve the trust to forementioned applications, mainly focused on Turkey's HES code system. This paper is not published yet.
Paper Link: https://web.itu.edu.tr/~ozkanbe19/loc_based_sol_imprv_hes.pdf

PROGRAMMING SKILLS

- **Languages**
 - Java
 - JavaScript (HTML, CSS)
 - C / C++
 - Python
- **Technologies**
 - NodeJS, NestJS, React, JQuery
 - Spring Boot Framework, Hibernate, Criteria API
 - numpy, pandas, matplotlib, scikitlearn, pytorch, tensorflow
 - MySQL, MongoDB
 - Apache Kafka
 - Zipkin
 - LDAP, JWT and OAuth based authentications
 - Docker, Bamboo, Jenkins
 - Linux system management (system tools, ssh, vi etc.)

- Document Processing (LaTeX, Word, Excel, PowerPoint)
- Jekyll, Bootstrap5
- Unity

REFERENCES

Available upon request.