

YUSEF RAYYAN

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Education

BEYKOZ UNIVERSITY

Bachelor of Computer Engineering

Sept 2019-Jun 2024

GPA: 3.0 / 4.0

Honors: Engineering Project of The Year 2022, Engineering Project of The Year 2023

Relevant Coursework: OOD in C++, OOP, Data Structure, Algorithms, Database Systems, Computer Networks, Operating Systems, Systems Programming, Image Processing, Artificial Intelligence, Systems Security.

Personal Projects

Web Image Editor ([Apartstudio](#)) | Python, Flask, JavaScript, MySQL

Apr-Jun 2023

- Developed a web image editor application with **Python**, **Flask**, **JavaScript** and **MySQL** as a relational database.
- Utilized deep learning models such as **DeOldify**, **ESRGAN**, and **resnet101**.
- Implemented features for processing and editing images, providing users with powerful variant editing tools.
- Implemented user authentication mechanisms, including a login/logout functionality, to ensure the privacy and security of user data while controlling access to the application's features.

Cross-Platform Mobile App ([Mufarradun](#)) | React Native, NodeJS, Expo

Aug 2023-Feb 2024

- Built a cross-platform application using **React Native**, **Expo** and **NodeJS** which provides the runtime environment.
- Implemented custom **API** endpoints and integrated them with the **NodeJS** backend to ensure seamless data flow.
- Integrated asynchronous data storage seamlessly into the app's architecture, providing users with a smooth and reliable experience in managing their personalized settings.
- Created an intuitive and visually appealing user interface with customizable fonts, themes, and colors to enhance user experience and personalization.

Food Recipe Social-media App ([Reisto](#)) | React Native, Expo, Firebase, Figma, UX, UI

Mar 2024-Present

- Built a fully functional social media application for food recipe sharing using **React Native** and **Expo**.
- Implemented over 50 **reusable custom components**, enhancing the modularity and maintainability of the application.
- Integrated **Firebase Authentication** for secure user login, **Firebase Storage** for real-time data updates, and a custom **Firebase Database** for storing media resources.
- Optimized user interface and experience by conducting **UI/UX research**, applying **Fitt's law**, arranging optimal button orders, adjusting screen layouts, using hidden padding, and designing the initial application layout with **Figma**.
- Adapted the application to support four languages using the **i18next library**, enhancing accessibility and user reach.
- Conducted comprehensive testing using the **Jest library** to ensure each function works correctly.

Employment

Software Developer Internship | *İdea Teknoloji Çözümleri*

Jul 2023 – Sep 2023

- Designed relational database tables for efficient storage and management of user data and essential information.
- Implemented secure data transmission protocols in API code to enable seamless interaction between UI and database.
- Thoroughly tested and debugged API code to ensure functionality and performance met requirements.

Technical Skills

Programming Languages: JavaScript, HTML, CSS, Python, C, C++, SQL

Technologies/Frameworks: React, React Native, NodeJS, MATHLAB, Git, REST APIs

Developer Tools: Visual Studio Code, Visual Studio, Google colab, Jupyter, DBeaver, GitHub, Postman API

Design Tools: Figma, Adobe Creative Suite (Lightroom, Photoshop, Audition, Illustrator)

Language: Turkish (Limited), English (Proficient), Arabic (Native), Russian (Native)