YUSEF RAYYAN

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Education

BEYKOZ UNIVERSITY   Sept 2019-Jun 2024
Bachelor of Computer Engineering   *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*

- 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 over 25 features for processing and editing images, providing users with powerful variant editing tools.

Cross-Platform Mobile App (Mufarradun**) |** *React Native, NodeJS, Expo*

- Built a cross-platform application using React Native, and Expo.
- 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.

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

- Built a full-stack 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, and Firebase Database.
- Optimized user interface and experience by conducting UI/UX research.
- 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.

React Native Package (npm**) |** *TypeScript*

- Developed and published a NPM package for React Native, using TypeScript to rendering over 600 SVGs.
- Implemented custom styling properties including width, height, fill, and fill-stroke, enabling versatile customization.

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)