Euichan Lee

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Education

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42 Seoul   **Seoul, Korea**

Learned computer science concepts through over 300 peer code reviews and various toy projects.   Jul 2022 - Jul 2024
- Experience in multi-thread and multi-process coding.
- Implemented a UNIX Shell.
- Configured Docker environments using Docker-compose.
- Developed an HTTP/1.1 compatible web server using I/O multiplexing.
- Created a SPA website using Vanilla JavaScript.

Korea National Open University   **Seoul, Korea**

B.A. degree expected in Computer Science in 2028   Sep 2023 - Present

Projects

Personal Website | **Toy project**   **Next.js TypeScript, Tailwindcss, Figma, Redux, Framer, i18n**

Developed and deployed a personal portfolio website.   Sep 2024

Implemented dark mode state management with Redux and animations using Framer.

Created language switching functionality (ko/en) using i18n library and middleware dynamic routing.

Bookmoeum | **Toy Project**   **Next.js, TypeScript, Tailwindcss, Figma, Redux, React-query, Firebase**

Developed and deployed an integrated book search service using multiple Open APIs.   Aug 2024

Implemented and applied a design system including typography, brand colors, and UI components using Figma.

IFirebase login, book state management with Redux, and cache management with infinite scroll using React-query.

Transcendence | **Frontend, Design, Project Lead**   **Javascript, Tailwindcss, Figma**

Created all designs in Figma and applied component-based structure for optimized development.   Dec 2023 - Mar 2024

Implemented a Single Page Application (SPA) using only Vanilla JavaScript with router functionality.

Developed modularized components and implemented global state management (e.g., dark mode, theme profiles) using the Pub/Sub pattern.

Webserv | **Architecture Design, HTTP Parsing**   **C++**

Designed structure and Config file parser referencing Nginx.   Aug 2023 - Nov 2023

Implemented an HTTP/1.1 compatible web server using Object-Oriented Programming (OOP) and I/O multiplexing.

Implemented HTTP parsing based on the HTTP/1.1 RFC document.

Skills

Language | **Framework** | **Library**

C/C++, JavaScript, TypeScript, React, HTML, CSS, Tailwindcss, Next.js, Redux, React-query, English

Tools

Git/GitHub, Docker, Figma, Visual Studio Code, Notion, Slack

Etc.

OPIc AL (2024.6.7)

Craftsman Information Processing (2024.7.3)