Peko Chuang / 莊孟璇

Front-End Developer

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Summary

As an optimistic and energetic Front-End Developer, I embrace challenges with enthusiasm, quickly extracting logical patterns and applying them to projects, completing tasks ahead of schedule. I enjoy brainstorming to craft practical solutions and enhance user experience.

Skills

Language

- JavaScript (ES6+)
- TypeScript
- CSS
- HTML

Framework and Library

- Next.js (App router)
- React
- React Router
- Tailwind
- Bootstrap
- Styled Components
- Redux (Redux Toolkit)
- Tiptap
- Chart.js

Develop Tool

- Git
- GitHub
- Prettier
- ESLint
- Firebase
- Vercel

Work Experience

AppWorks School – Front-End Developer   Mar 2023 ~ Aug 2023

- Adopted the Agile Scrum methodology to complete personal project in 5 weeks, achieved the development of a programming learning website ahead of schedule.
- Collaborated with the iOS team and Back-End team, participated in feature innovation discussions, and developed seller and native signup features based on the existing code base. [Demo Video]
- Engaged in frontend-related workshops and presented topics about React reconciliation, floating-point numbers, and TypeScript.
- Accepted into the coding bootcamp with a 10% acceptance rate.
- Strengthened to be a problem-solving active learner through intensive programming training, dedicating 75+ hours per week in software development.

Keelung Chang Gung Hospital – Respiratory Therapist Intern   Feb 2022 ~ Apr 2022

- Independently executed respiratory care of ICU patients, demonstrating exceptional critical thinking and adaptability in high-pressure environment.
- Collaborated with fellow caregivers, offering professional insights from a respiratory therapist perspective to determine the most suitable treatment.
- Engaged in case reports and research to stay updated on the latest medical advancements and discuss optimal treatment approaches.

Projects

Perky - [Demo](#) | [GitHub](#)

A programming learning community that fosters continuous knowledge sharing and peer learning through article interactions and online book clubs.

- Built with **Next.js**, enhancing the user experience through **server components** and **server-side rendering**.
- Made use of **React Redux** for centralized state management.
- Applied **Tailwind** to complete the **RWD** layout for both desktop and mobile devices.
- Utilized **TypeScript** for type checks and **ESLint** to develop reliable and maintainable code.
- Shared **React** components to improve code reusability and enable cleaner code.
- Leveraged **Chart.js** to demonstrate data in the form of a line chart.
- Implemented the third-party service **VideoSdk** to enable multi-conference meetings in book clubs.
- Integrated data with **Firebase Firestore.**

STYLiSH - [Demo](#) | [GitHub](#)

An E-commerce website with search, checkout, and Facebook login features.

- Utilized **Styled Components** to complete the RWD layout.
- Accomplished **SPA** with **React Router**.
- Developed with Third-party APIs (**FB login**, **TapPay**)
- Connected APIs to fetch data from the database.
- Leveraged **Vanilla JavaScript** to achieve feature of infinite scroll and carousel.

Wordle - [Demo](#) | [GitHub](#)

A challenging and fun word guessing game, where users get 6 chances to guess a 5-letter word.

- Utilized **useReducer** hook for state management.

Personal Website - [Demo](#) | [GitHub](#)

A website showcasing my side projects, social media links, and contact information.

- Utilized **EmailJS** to send contact emails.

Education

Chung Gung University - Department of Respiratory Therapy   **Sep 2018 ~ Jun 2022**

- GPA : 3.84 / 4.0
- Vice President of Respiratory Therapy Student Council

Other Skills

TOIEC : 840 / 990

Coursera :

- **Python for Everybody Specialization** - *University of Michigan*

  Concepts for data retrieval, processing, and visualization data using Python.

- **Version Control** - *Meta*

  Create effective software development workflow with Git and GitHub using Linux commands.