

Paul Gung

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Education

China University of Geosciences(Wuhan)

September 2019 — June 2023(Expected)

Information management and information system

Wuhan, China

- GPA: 3.7/5.0 | English Level: CET6
 - A+ Courses: Computer Networks, Data Structure, , Database Principles, and 20 others
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Project Experience

Micro-FrontEnds framework clone

April 2022 — June 2022

A simple version of qiankun framwork

🔗 [qiankun-spa](#)

- Register and switch SPA sub-applications by hijacking and proxying hash and history routing
- Implement micro-frontend architecture and lifecycle hook functions based on TypeScript
- Adopt convention programming and ProxySandbox to achieve JS sandbox and CSS isolation

Real-Time Docs Editor

Feburary 2022 — April 2022

Build a Docs Editor using React and firebase

🔗 [react-docs](#)

- Accomplish document real-time update through Firebase APIs such as onSnapshot
- Solve the performance problem caused by double rendering of React18 through useRef
- Improve rendering performance: Introduce anti-shake function to reduce high-frequency requests

Chat Dapp with React

January 2022 — February 2022

Chat Dapp with React and Gunjs

🔗 [chat-dapp](#)

- Build a online chat app based on React, Gunjs database, Nodejs
- React: Use hooks such as useReducer to monitor user interactions and ensure data updates
- Find and fix bugs, use the filter method of the array to remove possible duplicate chat data

Jekyll-Docker Site

October 2021 — December 2021

Personal website from remote git repo

🔗 [jekyll-site](#)

- By optimizing JS code, compressing pictures, using CDN, etc., the first screen is improved 30%
- Use Docker image to deploy Alpine-Ruby environment, solve the compatibility problem of Mac M1
- Solved the bug of document flow overflow caused by CSS animation loaded for the first time, and optimized the user access experience

Vue Commerce Information System

September 2021 — October 2021

E-commerce background management system

🔗 [vue-shop](#)

- Realize component caching and dynamic routing lazy loading based on Vue
 - Encapsulate axios, intercept http requests and perform token verification
 - Reduce the entry file: Gzip compression, extracting public dependencies, loading on demand, etc
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School Experience

Undergraduates' innovation and entrepreneurship plan

June 2020 — June 2021

- Assisted in the project "Webcast Content Features and Action Paths from the Perspective of Information Ecology". Use Python3 to crawl more than 10,000 pieces of data and stored them in the MySQL database, then used Pandas library for feature cleaning so as to build the data foundation
 - Using Numpy, Matplotlib for data analysis, building a model of influencing factors of user barrage behavior based on social cognition theory, establishing regression equations, verifying models and conducting empirical tests, finally finished the task and won the Hubei Provincial Award
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Skills

Programming Languages: JavaScript, Python, Java, C++ and Solidity

Tech Skills: Webpack, Vue/Vite, Nodejs, React/React Native, Micro-Frontends, Mini apps, TypeScript, Flutter, Electron, Design Patterns

Updated on July 2, 2022