



RUAN YANHAN
✉ ruanyanhan@whu.edu.cn
☎ (+86) 173-1836-1969
in yo yo
🌐 gitee.com/yohoyh

React
ES6
WebGIS
Express
Jquery

🎓 EDUCATION

Wuhan University (WHU), Wuhan, China 2022 – Present

Master student in Civil and Hydraulic engineering , expected July 2024

NORTHWEST A&F UNIVERSITY (NWAUFU), Shaanxi, China 2018 – 2022

B.S. in Water Resources and Hydropower Engineering

👥 PROJECTS & EXPERIENCE

Carbon Neutralization Big Data Platform Shanghai, China May. 2023 – Present

worked with government departments. React | Antd | Express | ECharts | Resium

- Utilizing modern ES6+ syntax: Enhancing development efficiency and code readability by leveraging the latest JavaScript syntax.
- Encapsulation of reusable utility functions: Throttling cesium re-render event, Debouncing clicks, axios interceptors, etc, improving code maintainability.
- Robust screen adaptation using relative units: By employing relative units, the project ensures strong screen adaptability for various devices and screen sizes.
- Login validation through Higher Order Components (HOC): easily apply this functionality to components that require login validation.
- Enhanced performance and user experience with lazy loading, optimize entity loading within a specified height range using hooks and throttling.

Carbon Neutralization Big Data Platform Wuhan, China March. 2022 – November. 2022

based on national key projects Jquery | Express | ECharts | OpenLayers

- Regional intelligent management, detailed development document writing, effective management and development.
- The system enforces strict security verification and employs robust security precautions.
- Utilize dual-pointer algorithm to reduce time complexity from $o(n^2)$ to $o(n)$, and preprocess remote sensing images for 150% speed increase.

🏆 AWARDS

- 2022 ZJU PAT - Professional Ability Test (95 / 100 score)
- 2022 ACM-ICPC excellence-award
- 2020 CMC second-prize
- 2020 MCM S-Award
- 2021 2 software works

⊕ MISCELLANEOUS

- Proficient in reading English documents, CET-6 (539), in learning Japanese.