

Louis Hsiao 蕭博修

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Education

National Chengchi University - 2014/09~2016/06

Master degree of Department of management of information system

National University of Kaohsiung - 2010/09~2014/06

Bachelor degree of Department of information management

Experience

Equilibrium at Taipei, Front-end Engineer Lead (3 ppl.) - 2020/4 ~ present

Data Management Platform (MVP, Minimal Viable Product)

- An app provide features of data visualization in chart and support user to produce meaningful UN standard carbon emission report by rich editor.

- **Responsible and features**

1. Frontend tasks break down and architecture design.
2. Improve front end performance by code splitting and memoization.
3. Realized data visualization by 3rd party chart library (nivo, based on d3.js).
4. Compose limited rich editor feature by draftJs.
5. Writing plugin of draft for necessary requirement.
6. Implement drag and drop feature by react-grid-layout.

- **Tools:** react, redux, material-UI, redux-saga, react-router, material-ui, react hooks, draft

D8AI at Taipei, Front-end Engineer - 2017/12 ~ 2020/3

Sign Language Translation Matching Platform

- An app can support user who are hard of hearing get assistant of translation from sign language association.

Data Analysis Platform

- A platform provide chat logs of end-user's interaction with chatbot and other system report.

- **Responsible and features**

1. WebRTC framework library integration - Janus client library plugins (sip/videoroom)
2. Implement video chat communication workflow integrated sip client.
3. SPA website design - implement by react-router
4. Realtime media communication by websocket - video/text
5. Graphical report - use react-chartjs-2 to present statistic information.
6. Enhanced UI/UX - use material-UI to realize responsive web design.

- **Tools:** react, redux, material-UI, redux-saga, react-router, react-native, sip, webrtc, speechSynthesis, speechRecognition, docker, mongoose, websocket

Other published projects

- react-native-date-ranges (39 stars) <https://github.com/pohsiu/react-native-date-ranges>
- janus-helper (downloads 297/month) <https://github.com/pohsiu/janus-helper>