

Mars Huang

Frontend Engineer

React | Vue | TypeScript | JavaScript | Jest | TanStack | Single SPA
Docker | GitHub Actions | Mantine UI | Zod | Salesforce LWC | Husky
Tailwind CSS | RWD | D365 | Git | SEO | Google Cloud | NodeJS | C

Front-end developer with 4 years of experience. Proficient in JavaScript, TypeScript, React, Tailwind CSS, and Vue.

EXPERIENCE

CTOne, Taipei — *Front-End Developer*

June 2024 - Present

Tesseract

- Developed the micro-frontend architecture using Single SPA, React, TypeScript, and TanStack tools (Table and Query).
- Created an interactive Network Topology Chart using React Flow.
- Utilized Hygen to generate Zod TypeScript-first schemas, reducing manual coding and minimizing errors.
- Implemented GitHub Actions for Jest testing and for automated builds and pushes to Docker registry.
- Updated Commitlint rules of Husky hooks to align with project needs, enhancing Git message consistency.

Trend Micro, Taipei — *Front-End Developer*

May 2023 - May 2024

July 2020 - April 2022

Online Help Center [↗](#)

- Built with React, Tailwind CSS, Material UI, Dynamics 365, handling 400K articles and serving 10M users across 29 languages (i18n).
- Integrated Solr Search, Azure, Microsoft Power Automate.
- Built project documentation for version control to improve team collaboration.

BSP 2.0 (Business Success Portal) [↗](#)

- Built with Salesforce LWC (Lightning Web Component), serving 4.5M users and generating 19M page views annually.

Tomo-Chatbot [↗](#)

- Built with Vue.js, integrated RESTful APIs.

No. 30, Beixin St, Taoyuan District

(+886) 932-523-366

mars.hs.huang@gmail.com

<https://flying-musk.github.io>

Education

National Chiao Tung University,
Electrical and Computer Engineering

Sept. 2015 - June 2019

LANGUAGES

French:

DELF B2

TCF Canada B2

English:

IELTS 7.5

TOEIC L/R 955, TOEIC S/W 180/180

German


Arcadyan, Hsinchu — *Software Engineer*

October 2019 - July 2020

- Built the UI service for firmware, maintained HTTP server with C.

SIDE PROJECTS

Personal site (<https://flying-musk.github.io/>)

- Crafted main layout including RWD and implemented day-night, back-to-top feature.
- Integrated GA4 and added meta description for better SEO.
- Improved site performance, achieved Google search engine 1st ranking. 
- PageSpeed Insights score boosted from 83 to 100.

DECK.GL

- Implemented a map showcasing National Parks and Bay Area Rapid Transit (BART) in the US using Deck.gl, React.js, and Tailwind CSS.
- Added a search functionality for National Parks and an interactive feature that hides railway lines when the map is zoomed out to a certain level.

Get Stock Info

- Developed a simple project to visualize current stock levels of produce.
- Built the frontend using React.js, TypeScript, and Chart.js, with backend services powered by Google Cloud Functions.

Admin Web

- Created an admin control panel using Vue 3, Tailwind CSS, and Element Plus for management.
- Implemented backend functionality using Google Cloud Functions.

MISCELLANEOUS FLYING RELATED GAMES

Red Or Green

- A simple memory game built with Vue.js, players should distinguish the item's first appearance.
- Developed js function to generate random paths.

Reverse It

- Players are required to remember the sequence of blinking buttons and then click on them in reverse order.

Short Term Memory

- An application for users to input card values and then memorize the combinations.

Mental Calculation

- A straightforward application for users to practice mental calculations.