CHENG, HSIANG WEN

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Introduction

Passionate about **frontend and full-stack development**, proficient in **Vue 3, React, Electron, and Node.js**.

Developed an **Unmanned Store System** for the university graduation project, responsible for **Android app development** and **database integration**. Our team won **first place in the university competition**.

During my master's studies, I participated in a **Capstone Project**, developing a **component library** using **React + Next.js**. I also interned at **LinkPos (Australia)**, focusing on **React frontend development** and **API integration**, gaining hands-on experience.

Node.js Experience:

In the **Web Application course project**, I used **Node.js + Express** to develop backend APIs, integrated **MongoDB**, designed **RESTful APIs**, and connected them with a **Vue frontend**.

Current Role in EBM Technology, focusing on:

- **Medical Record Release System (Vue 3 + Tailwind CSS)**

- **Clinic Management System (Vuetify)**

- **Smart on FHIR frontend development (Vue + FHIR data transmission)**

- **Medical Widget (Electron + Vue + SCSS + Vitest)**

- **EXCD, External CD Viewer (Vue + Linux)**

Continuously improving **frontend technologies** while expanding into **full-stack development** to strengthen system architecture and technical expertise.

WORK EXPERIENCE

Front-end Engineer, EBM Technology (In Taiwan) (04/2024 – Present)

- **Vue 3 + Tailwind**：Built responsive UI using Vue 3 + Tailwind for web system, improving component reusability, accessibility, and performance.
- **Vue 2 + Vuetify**： Designed and developed scheduling system UI and optimized overall system architecture using Vue 2 + Vuetify for the clinic management platform.
- **Electron**：Developed a desktop application with Electron that enables screenshot and OCR capabilities, enhancing efficiency in clinic and hospital workflows.
- **SCSS :** Used SCSS to manage styles in a more modular, maintainable, and scalable way for complex UI components.
- **Google OAuth**：Integrated third-party authentication using Google OAuth for secure user login flow.
- **Vitest**：Applied unit and component testing using Vitest to ensure code correctness and maintainability.
- **Linux**：Worked in a Linux environment to build image viewers, enabling preview and upload of CD images.

Front-end Engineer Intern, LinkPos (In Sydney) (10/2023–11/2023)

- **React + Ant Design**：Modified and created website pages using React to improve UI consistency.
- **API Integration**：Collaborated with backend engineers to debug and correct RESTful API responses.

Administrative Assistant, JET Optoelectronics (In Taiwan) (07/2020–08/2020)

- Wrote ASPICE certification documents.
- Burned program and assembly.

EDUCATION

- **The University of Sydney (USYD)**

  Master of Information Technology, 02/2022 - 11/2023.

- **National Taipei University of Education (NTUE)**

  Bachelor of Science in Computer Science, 09/2016 - 06/2020.

RESEARCH EXPERIENCE

Unmanned Store, Department of Computer Science, NTUE (09/2018 - 12/2019)

- Won 1st place in the schoolwide Graduation Research Competition (12/2019).
- Designed a simulated unmanned store sales system that uses facial recognition to confirm members and allows customers to scan the QR Code to purchase products using the mobile app. After the purchase, the seller can view the buyer's information and arrange the delivery of the goods through the data in the back-end database.
- Responsible for writing facial recognition (OpenCV), app (Android Studio), database (SQL), and HTML programs.

Capstone Project, USYD (09/2023 - 11/2023)

- Created an interactive component library platform featuring over 20 common UI components with live preview and copyable source code.
- Components included: Button, Calendar, Toast, Modal, Accordion, etc., each with multiple UI states and variants.
- Implemented "Show More" and "New Tab Preview" features to enhance usability and testing experience.
- Participated in team collaboration using Git (feature/develop/master flow), ensuring code quality and documentation.
- https://web-building-blocks.vercel.app/

SIDE PROJECT

Trip Planner

- Developed a Trip Planner system integrating location search, itinerary planning, and map view using Vue 3, Tailwind CSS, and Leaflet — demonstrating end-to-end capability.
- https://ashytwilight.github.io/tripPlanner/#/?lang=zh

Introduction Website

- Built a personal website to showcase portfolio, tech stack, and resume, reinforcing my personal branding.
- https://ashytwilight.github.io/portfolio/

ACTIVITIES

Vice President, Student Association, Department of Computer Science, NTUE (09/2018–06/2019)

- Convened the General Assembly.
- Assisted in the overall operations and handled affairs.

SKILLS

Language: Proficient in Mandarin and English (TOEFL IBT: 92, TOEIC: 860)
Computer: MS Excel, MS PowerPoint, MS Word, and Rhinoceros 3D
Frontend: Vue 3 / Vue 2, React, Tailwind CSS, Bootstrap, SCSS / CSS, Vuetify, HTML, Vitest
Backend: Node.js, Express JS, MongoDB, PostgreSQL
Others: Electron, Git