

Kung-Ting "Henry" Wu

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Experience

Gamesofa Inc. (慧邦科技股份有限公司)

System Engineer

April 2026 - Present (full-time job)

- **Production Systems:** Supported production environments running on AWS, Docker, and Kubernetes.
- **Infrastructure & Scaling:** Managed application deployments and developed Kubernetes-based HPA tools and scaling controllers for game servers.
- **Monitoring & Reliability:** Developed internal monitoring and automated recovery systems using Grafana and Prometheus to improve production reliability.
- **Web Infrastructure:** Maintained Nginx and F5 Load Balancer configurations for production services.
- **CI/CD:** Maintained automated build and deployment workflows using GitLab CI.

Backend Engineer (神來也麻將 - 活動網頁、神來也暗棋 2)

May 2024 - April 2026 (full-time job)

- **Backend Development:** Designed backend services, RESTful APIs, and database schemas for multiplayer game systems.
- **Real-Time Systems:** Implemented WebSocket-based real-time synchronization for spectating, collections, and faction battles.
- **Database & Performance:** Managed MySQL replication and optimized SQL queries and Memcached caching to improve performance.
- **System Design:** Contributed to architecture design, data modeling, and service decomposition for large-scale game services.
- **Cross-Functional Delivery:** Collaborated with designers, frontend engineers, and operations teams to deliver features from requirements to production.

Technical Skills

Familiar

- **Backend:** PHP, Node.js, Perl
- **Databases:** MySQL (Group Replication, read/write splitting), MongoDB
- **Caching:** Redis, Memcached
- **Architecture:** RESTful API design, WebSocket real-time sync, data modeling
- **Frontend:** Vue.js / Nuxt.js / Vite
- **CI/CD:** GitHub Actions, GitLab CI

Working Knowledge

- **Containers:** Docker
- **Cloud:** AWS (CloudFront, Route 53, VPC, ELB, EC2)
- **Orchestration:** Kubernetes
- **Web & Networking:** Nginx, F5 Load Balancer
- **Monitoring:** Grafana, Prometheus

Languages

- **Mandarin:** Native
- **English:** Professional Working Proficiency (TOEIC: 765, 2025)

Education

Ming Chi University of Technology B.S. Industrial Engineering and Management

2023

MCUT Course Selection Helper — 明志科技大學選課小幫手

A mobile-friendly companion tool for browsing courses and planning timetables, built to work around the university's desktop-only course system. Used by 5,000+ students. *Side project · 2022*

Demo: <https://mcut-course.com>

GitHub: [itshenrywu/mcut-course-v2](https://github.com/itshenrywu/mcut-course-v2) (Frontend)

Tech: Node.js (crawler + API), MySQL, Vue.js + Vite

- Built a responsive web app for searching courses and planning timetables on mobile, addressing the official system's desktop-only limitation.
- Reverse-engineered and scraped the university's course system — handling login auth, pagination, and HTML parsing — to build a clean API covering the ~2,000 courses offered each year.
- Shipped real-time course filtering, drag-and-drop pre-scheduling, schedule-conflict detection, and graduation-requirement tracking.
- Let users customize and export their own timetable themes.
- Designed a decoupled architecture — Node.js crawler/API backend with a Vite frontend pre-rendered via SSG — so the data pipeline and UI can evolve independently and the static frontend loads fast from a CDN without hitting the backend on every visit.

MCUT Menu Bot — 明志科技大學學餐菜單機器人

A LINE chatbot that provides the daily cafeteria menu, Used by 1,000+ users. *Side project · 2025*

Add friend on LINE: <https://lin.ee/1CY9bEW>

GitHub: [itshenrywu/mcut-menu-bot](https://github.com/itshenrywu/mcut-menu-bot)

Tech: Node.js (crawler + bot), LINE Messaging API, GitHub Actions

- Offloaded the entire data pipeline to free GitHub infrastructure — GitHub Actions as a scheduled cron job and GitHub Pages as a static API / CDN — keeping the data layer at zero cost so the only recurring expense is the bot's VM.
- Wrote a Node.js crawler that backfilled and serves 13 years of historical menu data with low latency.
- Added calendar logic to skip holidays and non-service days, dynamic image rendering for mobile readability, and CI/CD health checks to catch crawler failures early.

Anne Education Rental Platform — 「安妮怎麼了？」急救教具租借

A full rental management platform for 「安妮怎麼了？」's first-aid and rescue training gear, covering both ends: a customer-facing booking flow for instructors and an admin backend for the client to run orders. *Freelance project · 2026*

Demo: <https://rent.anne.education>

Tech: Node.js, Express, Vue.js, Vite

- Customer booking flow where instructors browse the catalog, set quantities, and watch daily rates and totals update live.
- Mobile-first interface on the client's existing brand, so instructors can book from a phone in the field.
- Admin dashboard for working through incoming rental requests, with order editing built in.
- Generates the rental contract and sends the customer a confirmation email straight from an order — work the client used to handle by hand.
- Resource scheduling view that lays out bookings as a date × equipment grid, so the client can see what's in use and catch conflicts at a glance.