

Zi-cheng Lin (Thaung Than Han)

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EDUCATION

Mae Fah Luang University

Bachelor of Engineering in Software Engineering

Chiang Rai, Thailand

January 2023 – Expected May 2027

Nanyang Technological University (NTU)

TF LEaRN Youth Leadership Exchange Programme

Singapore

2019

EXPERIENCE

Test Automation Engineer Intern

Kasikorn Business Technology Group - KBTG

June 2026 – Present

Pak Kret, Thailand

- Develop and maintain automated test cases using Maestro for the K PLUS mobile banking app.
- Build and execute regression suites for K PLUS releases, verifying that updates do not break existing features.
- Collaborate with QA engineers and developers to expand test coverage and investigate automation failures.

Full-Stack Software Engineer

One Terrace

November 2023 – May 2026

Japan, Remote

- Delivered and maintained full-stack web applications over 2.5 years for 5 enterprise and commercial clients, including JP-MIRAI, KPMG Japan, Taiheiyo Consultant, Toshin Language School, and One Terrace.
- Contributed to system design and development across 8 projects, including real-time communication, calendar scheduling, authentication, user management, and business workflows, ensuring alignment with requirements.
- Resolved production issues involving performance bottlenecks, memory leaks, and UI/API defects in client-facing systems where reliability and minimal downtime were critical.

Frontend Developer

Pedagogy Singapore Startup

December 2021 – January 2023

Singapore, Remote

- Built frontend screens and integrated backend APIs for a Student Management System mobile application.
- Implemented key mobile app modules including QR-based attendance tracking, time slots and user management.
- Collaborated with backend engineers and UX designers to define requirements, discuss product ideas, and improve user workflows.

PROJECTS

WDTM: Explain Texts and Images | www.wdtm.site

- Built and shipped an AI-powered Chrome extension with 40+ installs that explains full pages or selected text and images directly within the browser using the Groq API.
- Developed the full-stack platform with Next.js, Supabase authentication, Stripe integration, backend API routes, and automated billing.
- Designed and iteratively tested prompts for eight AI explanation modes, refining each through repeated output evaluation to produce clear, consistent responses.
- Added Robot Framework UI/API tests covering critical user flows and integrated tests into CI/CD.

Hermes OmniVoice | <https://github.com/ThaungThanHan/hermes-omnivoice>

- Launched an open-source Python TTS plugin for Hermes Agent on GitHub, attracting 7 stars.
- Integrated OmniVoice voice generation into agent workflows with configurable reference-audio, reference-text, and instruction-based controls.

Accepted Image Segmentation Paper at JCSSE 2026 | <https://ieeexplore.ieee.org/document/11596926>

- Co-authored an accepted research paper titled “A Comparative Study of Image Segmentation Techniques for Mango Images under Pendulum and Vibration Conditions” at JCSSE 2026.
- Compared 5 image segmentation techniques for 500+ mango images under simulated damage conditions and contributed to experimentation, result analysis, and technical writing.

TECHNICAL SKILLS

Languages: TypeScript, Python, SQL, JavaScript, HTML/CSS

Frameworks: React, React Native, Next.js, Node.js, Flutter

Developer Tools: Git, Redis, Docker, Google Cloud Platform, AWS, Supabase, Vercel

Testing & QA: Maestro, Robot Framework, Playwright, Postman, API Testing, UI Automation