

Win Moe Aung (Wyco)

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Summary

Full-stack developer and Information Systems and Network Engineering student at Chiang Mai University. Built web applications with Next.js, TypeScript, Laravel and PostgreSQL, including a study-notes platform used almost daily by five students. Enforces access control in the database and covers business logic with automated tests. Seeking a summer 2027 full-stack internship (April to June, or June to November).

Skills

Languages: Java, TypeScript, JavaScript, PHP, C++, Python, SQL

Web: React, Next.js, Node.js, Laravel, REST APIs

Databases: PostgreSQL (Row Level Security), MySQL, Redis

DevOps: GitHub Actions, Docker, Linux server administration, Cloudflare Workers, Vercel, DNS and TLS

Security: authentication and authorization, Content Security Policy, rate limiting, input validation, secrets management

Testing: JUnit, PHPUnit, CI test pipelines

Projects

Notecom | Next.js, TypeScript, Supabase (PostgreSQL), Vercel | Jun 2026 to present

notecom.wyco-dev.com

- Built a study-notes platform used almost daily by five students, with folder sharing by invitation and approved join requests.
- Enforced all authorization in PostgreSQL Row Level Security with no service-role key, across owner, editor and viewer roles and 31 versioned SQL migrations.
- Added edge middleware that sets a per-request Content Security Policy nonce, verifies sessions and rate-limits sign-in, API and generation routes.
- Packaged a desktop build with Tauri and a Node.js sidecar, released for Windows and Linux through a GitHub Actions build matrix.

CarPart | Laravel, MySQL, Redis, Docker | Mar 2026 to Aug 2026

carpart.wyco-dev.com

- Designed a normalized relational schema for products, per-variant stock, orders, payments, coupons and refunds (Database course project).
- Prevented overselling with row-level locks inside checkout transactions, covered by 199 PHPUnit tests including concurrent coupon use.
- Deployed as a Docker Compose stack on a self-managed VPS behind Cloudflare; GitHub Actions runs the tests, then builds and deploys over SSH behind a health check.

Next-movies | Next.js, Cloudflare Workers, Upstash Redis | Jun 2025 to Jul 2026

nextmovies.wyco-dev.com

- Moved the app from Vercel to a VPS, then to Cloudflare Workers with no origin server, using the OpenNext adapter and push-to-deploy builds.
- Protected the TMDB API proxy with user-agent filtering, IP bans and Upstash rate limits (120 requests per minute, 40 for search).
- Added a Cache API layer in front of Workers KV after page renders reached 50% of the daily KV operations limit.

Budget Guardian | Java, JavaFX, SQLite, Express, Prisma | Jul 2026 to Aug 2026

github.com/Wyco68/BudgetGurdian

- Built a personal-finance desktop app on 8 hand-written data structures, with a test that fails the build if business logic imports a Java collection.
- Wrote 287 JUnit tests that run with a boot-smoke test on every push in Windows CI; version tags publish an MSI installer.

Education

Bachelor's degree, Information Systems and Network Engineering (ISNE)

Chiang Mai University, Chiang Mai, Thailand

Expected graduation: March 2028

Current cumulative GPA: 3.73/4.00 (through Year 2)

Official academic transcript available upon request.

Experience

Teaching Assistant | Chiang Mai University

Current: Web Programming; ISNE Lab 2 (Data Structures and Algorithms, C++)

Previous: ISNE Lab 1 (Data Structures and Algorithms, C++)

Awards

Winner (team), CMU Inter x Botnoi Hackathon 2024: "Solution Using AI Voicebot"