Bo Hua Chen (Bowen)

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EDUCATION

National Taiwan University   Taipei, Taiwan
B.B.A in Information Management   Anticipated Jun 2027

WORK EXPERIENCE

LINE Taiwan   Taipei, Taiwan
OAV (Official Account Verification)   July 2025 – Present
- Backend developer using go, applying clean architecture and running scrum development framework.
- Setting up Terraform to maintain and track infra resources on private cloud in the team.
- Applying Kubernetes to GitHub workflow.

National Taiwan University   Taipei, Taiwan
New Course Selection System   June 2025 – Present
- Backend engineer using Typescript, applying layered architecture.
- Deal with Prisma data migration to systematically manage schema changes.

Forward Alliance   Taipei, Taiwan
Website   September 2025 – Present
- Fullstack engineer using Next.js, applying layered architecture.
- Deal with service and database query optimization.

Academia Sinica   Taipei, Taiwan
Taide_med (Medical QA system)   Mar 2025 – June 2025
- Applying RAG & RLHF to improve model medical response accuracy, reducing human resource cost.

PROJECT EXPERIENCE

National Taiwan University   Taipei, Taiwan
DOGTOR APP (Flutter Education App, launching soon — Try on Appstore Testflight)   Jan 2025 – Present
- Full-stack developer using flutter as frontend, FastAPI as backend.
- Deploy backend server and SQL server on GCP (cloud run & cloud SQL).
- Use prompt engineering and model cross-validation, empowering AI to generate high quality questions.
- Apply algorithms for user analysis to enhance problem recommendation and RAG for customization.
- Use TextCNN to train

National Taiwan University   Taipei, Taiwan
TicketEase (Ticketing system — Try it / Demo)   Oct 2024 – Dec 2024
- Developed a basic full-stack web system using next.js as frontend, FastAPI as backend and supabase as cloud database, applying user authentication logic.
- Implementing CI/CD and deployed on GCP using Dockerfile and cloudbuild.yaml.
- Designed the schema and used SQL indexing to enhance efficiency.
- Implemented seat selection concurrency control in the frontend to improve UX.

National Taiwan University   Taipei, Taiwan

NASA (Network Administration and System Administration)   Sep 2024 – Dec 2024
- Practiced Unix shell scripting, file permissions, virtualization (KVM, Docker), storage management (LVM, RAID), and deploying core services such as nginx, LDAP, and NFS.

- Experience in firewall setup (OPNsense), VLANs, IP config.

National Taiwan University   Taipei, Taiwan
[Trendy Word Predictor](#) (Text mining using BERT LLM and NN)   Nov 2023 – Jan 2024
- Crawled the data from PTT using selenium; cleaned and labeled the data.
- Using BERT-Chinese_L-12_H-768_A-12 to generate word embedding and trained the predictor, which can identify potential trendy words from a given article.

National Taiwan University   Taipei, Taiwan
[Beacon](#) (Education data analysis)   Oct 2024 – Nov 2024
- Cleansed and analyzed the behavioral data on junyiacademy.org through python.
- Apply machine learning to train the data and designed a basic warning system.

CAMPUS AND COMMUNITY LEADERSHIP

- Problem designer and scoreboard maintainer for [PDAO 2025](#)   Jan 2025 – Present
- Market Dep. of [SITCON 2025](#) (National Student IT Conference)   Sep 2024 – Present
- President of NTU Information Management Student Association Information Dep.   Sep 2024 – Present