

BO-HUA CHEN

(+886) 909-489016 | Taipei, Taiwan

Email: bowenchen0227@gmail.com | [GitHub](#)

EDUCATION

National Taiwan University Aug 2023 - Present
B.B.A in Information Management

AWARD

Taipei Townpass Microservice Codefest Silver Award

- [Carbon Notebook](#): automatic CO2 emission calculation by integrating invoice API, real time GPS and native healthKit API; using webview bidirectional structure.

Global PicoCTF by CMU-Africa Scoring 2200/2200

EXPERIENCE

Software Engineering Intern Jul 2025 – Present
LINE Taiwan

- [OAV](#) Fullstack developer using Go and Vue, applying clean architecture and protobuf IDL, running scrum development framework.
- Apply terraform to manage current projects on k8s (Infra As Code)

[Course Selection System](#) Backend Jun 2025 – Present
National Taiwan University

- Using Typescript, Elasticsearch and Redis, applying layered architecture and query fallback.
- Prisma database migration to manage schema changes for go-live system at million-user scale.

Full Stack Engineering Intern Sep 2025 – Jan 2025
Forward Alliance

- Develop monorepo with 30k+ users using Next.js
- Database N+1 query optimization, CI/CD migration.
- Implement opensource GIS mcp server with oauth 2

Research Assistant Mar 2025 – Jun 2025
Academia Sinica

- Applying RAG and RLHF to improve medical QA chatbot response accuracy, reducing human cost.

PROJECTS

DOGTOR APP Feb 2025 – Present
Side Project, Applying Deep Learning Final Project

- Flutter Education App, reviewing and launching soon - Try on Appstore [Testflight](#)
- Use prompt engineering and 3-model cross-validation to generate high quality questions and answers.
- Use TextCNN to train topic classification model, reducing token cost.

Open Ticket System Oct 2024 – Dec 2024
Database Management Final Project

- Implementing CI/CD and deployed on GCP.
- Use SQL indexing to enhance query efficiency.
- Implemented seat selection concurrency control in the frontend to improve UX.

Trendy Word Predictor Nov 2023 – Jan 2024
Text Mining Final Project (2nd Place)

- Crawled the data from PTT using selenium; cleaned and labeled the data.
- Use 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.

Booboo [LINEBOT](#) Nov 2025 – Jan 2026
Side Project, Personal customized AI agent

- Apply Mem0 to achieve long-term memory.

Real Time Light Dance System Apr 2025 – May 2025
Evening Event Performance

- Developed a distributed LED choreography system for group [performances](#) using Arduino and MQTT.

CAMPUS AND COMMUNITY LEADERSHIP

[Problem](#) designer of PDAO 2025 Jan 2025 – Apr 2025

Upcoming [Speaker](#) of [SITCON 2026](#) Feb 2026 – Mar 2026

President of NTU IMSA Info Dep. Sep 2024 – Jun 2025

Education Dep. of [NTUPA](#) Sep 2024 – Aug 2025

President of CK English Debate Club Aug 2022 – Jun 2023