

# BO-HUA CHEN

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## 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

### DOCTOR 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 (2<sup>nd</sup> 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