

CHEN Yanshao

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EDUCATION BACKGROUND

Lingnan University, Hong Kong (LU) September 2025 – August 2026

Master of science in *Data Science (Expected Aug 2026)* (GPA: 3.4/4)

Key Modules: Database Systems, Statistical Analysis, Data Mining, Machine Learning for Business, Foundation of Artificial Intelligence

Guangdong Pharmaceutical University (GDPU) September 2019 – July 2023

Bachelor of Science in Information Management & Information Systems

Key Modules: Advanced Programming Experiment, Medical Information Resource Management, Management Information System, Database Principle Experiment, Data Mining Experiment, Machine Learning

INTERNSHIP EXPERIENCE

Foshan Hangbiao Information Technology CO., Ltd. August 2023 - August 2025

Full-time, Management Trainee

- Rotated across R&D, production, and marketing departments, leading cross-departmental projects and process optimization;
- Utilized SQL and Python to analyze operational data, track project progress, and generate insights for resource planning and decision-making;
- Bridged R&D and marketing teams, translating customer requirements into IoT and AI voice interaction solutions, contributing to two new product features.

Foshan Hangbiao Information Technology Co., Ltd. May 2023 – August 2023

Intern, Technical Development

- Assisted in product design and testing using AutoCAD and Python; participated in prototype development and debugging of public broadcast systems
- Authored technical documentation and API specifications that were adopted as internal standards.
- Supported project management by preparing meeting minutes and tracking tasks, ensuring on-time delivery.

Blue Moon Group Holdings Ltd. January 2023 – April 2023

Intern, Operations Management

- Managed and maintained operational data for client accounts and supported internal data organization
- Conducted inventory turnover analysis and assisted in identifying slow-moving stock;
- Supported routine reporting and documentation work related to operational management
- Coordinated communication between supply chain and sales departments to facilitate project execution.

PROJECT EXPERIENCES

Generative AI Data Synthesis System for Mathematics Learning January 2026 - July 2026

Researcher | Advisor: Prof. LI Nan

- Designed and implemented a modular data synthesis pipeline to generate undergraduate-level calculus learning materials, including mathematical problems, step-by-step solutions, and scaffolded explanations.
- Developed a prompt engineering framework and integrated LLM inference using Google Gemini API to automatically produce diverse educational datasets.
- Built automated batch data generation and dataset management workflows, enabling scalable production of synthetic learning content stored in structured JSON datasets.
- Implemented post-processing and quality evaluation modules to assess generated data based on correctness, logical consistency, and pedagogical structure.
- Constructed a reproducible AI generation pipeline in Python, integrating prompt building, LLM inference, data validation, and dataset storage.

E-commerce SQL vs. NoSQL Database Performance Study October 2025 - November 2025

Researcher | Advisor: Prof. Dong Chengzu

- Conducted comparative analysis of SQL (MySQL) and NoSQL (MongoDB) databases in e-commerce scenarios.
- Designed ER diagrams and system architectures to model data flow and entity relationships. Executed performance benchmarks on CRUD operations, complex queries, and transaction handling.
- Developed experimental framework for performance evaluation and enhanced report clarity through data visualization and structured documentation

OTHER SKILLS

- Language Qualification: **English:** fluent (IELTS: 6.5), **Cantonese:** native, **Mandarin:** native.
- Computer Skills: Skilled in using office software, can use Python(Pandas, Numpy), SQL, R, Power BI.