Yang Jiahao

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EDUCATION

The Chinese University of Hong Kong, Shenzhen

Bachelor of Science in Computer Engineering 2022-2026

- **Relevant Course:** Java Programming, C/C++ Programming, Data Structure, Design and Analysis of Algorithms, Database System, Software Engineering, Computer Architecture, Operating System, Compiler Construction, Machine Learning, Deep Learning, Optimization, Digital Logic & System, Information Technology

INTERN EXPERIENCE

Digital Jinhua Technology Operation Co., Ltd. July 2024-August 2024

Java Backend Developer Intern

- **Job description:** Assisted in maintaining the municipal government stability website developed by the company.
  - Redesigned the Post(position) Menu Update interface, implementing synchronization between role updates in the Post menu and the User menu role list.
  - Updated the Petition-Information Import interface, the new interface will return an Excel file with upload results and error details.

RESEARCH EXPERIENCE

Topic: MILP Instance Generators Benchmark September 2024-Present

- **Overview:** Introduce a comprehensive benchmark framework designed for the evaluation of MILP instance generation methods
- **Responsibilities:** Participated in the following team tasks
  - Analyzing previous MILP papers, identifying issues like non-authoritative weight settings and inconsistent sampling in some papers.
  - Reproducing MILP paper's code, generating datasets via Ecole & MILP papers, and testing metrics within our benchmark framework.
- **Achievement:** Currently submitted to **NeurIPS 2025 Datasets and Benchmarks Track**, under review
- **Contribution:** Third author of the paper, jointly participated in coding work.

SCHOOL COURSES PROJECTS (Partial)

Cinema Management System (Individual) November 2024

- **Program description:** Course CSC3170 Final Project. Built a simple cinema management system, including functions such as movie rating, seat booking, and querying.
- **Tools:** Written in Python and connected to a MySQL database.
- **Code:** https://github.com/Yang-JH13/CSC3170Project-Cinema-Management-System

ISP Static & Dynamic Pricing Strategies (Group) March 2025 - May 2025

- **Program description:** Simulated a simple network usage environment and designed three types of pricing algorithms for the virtual Internet service provider within it, aiming to alleviate congestion rates in the simulated network environment.
- **Contribution:** Implemented two types of pricing algorithms (Static & Q-learning based), designed a metric (user satisfaction) to assist the team in evaluating the effectiveness of three types of pricing algorithms; integrated codes from other team members.
- **Code:** https://github.com/LayOneA/Pricing-Algorithm-for-ISP

LEADERSHIP EXPERIENCE

Teach For China – CUHKsz Organizer September 2022-Present

- Assisted in organizing a letter exchange activity with rural children in Guangxi Province and organized a friendship paper-making activity with another school in Gansu Province.
- Recruited over 10 members to the club, about 50 members participated in the paper-making activity, and more than 50 members participated in the letter exchange activity.

SKILLS

Languages: Mandarin, English

Programming Skills: Java, Python, C/C++, MatLab