

YANG Jiahao

Tel: (+86) 136 5579 7740 | E-mail: jiahaoyang131@gmail.com | Web: <https://layonea.github.io/>

EDUCATION

The Chinese University of Hong Kong, Shenzhen

Sep 2022 - Jun 2026

Bachelor of Engineering in Computer Science and Engineering

- **Cumulative GPA:** 3.36/4.00
- **Relevant Course:** Java Programming, C/C++ Programming, Data Structure, Design and Analysis of Algorithms, Database System, Computer Networks, Parallel Programming, Software Engineering, Computer Architecture, Operating System, Compiler Construction, Machine Learning, Deep Learning, Optimization, Digital Logic & System, Embedded Systems (and Lab), Information Technology

INTERN EXPERIENCE

Baidu International Technology (Shenzhen) Co., Ltd.

Jun 2025 - Sep 2025

Golang Backend Developer Engineer (Intern)

- **Job description:**
 - Responsible for server-side related work of overseas business, including core infrastructure development, Interface implementation, and platform construction. Improve foundational components to better support business iteration.
 - Responsible for continuously optimizing existing services and address system bottlenecks to enhance stability and performance.
- **Job achievement:**
 - Responsible for five OEM feature engineering rounds, adding 132 feature fields to enhance the CTR model's predictive capability.
 - Integrated core reusable utility functions into the code framework (e.g. binning, LCS), to improve subsequent development efficiency.
 - Resolved CTR model data ID inconsistencies via cross-department collaboration, ensuring alignment to guarantee data reliability.
 - Sharded Redis and deployed independent clusters, to handle massive user profile data in India and Indonesia, ensuring service stability.

Digital Jinhua Technology Operation Co., Ltd.

Jul 2024 - Aug 2024

Java Backend Developer Engineer (Intern)

- **Job description:** Assist in maintaining and improving the municipal government stability maintenance website developed by company.
 - Redesigned the Post(position) Menu Update interface, to sync 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: Mixed-integer linear programming (MILP) Instance Generators Benchmark

Sep 2024 - Sep 2025

- **Advisor:** Prof. Yu Tianshu (Assistant Professor), CUHK-Shenzhen
- **Overview:** Introduce a comprehensive benchmark framework designed for the evaluation of MILP instance generation methods
- **Responsibilities:** Participated in the following team tasks
 - Analyzed previous MILP papers, identified issues like non-authoritative weight settings and inconsistent sampling in some papers.
 - Reproduced MILP paper's code, generated datasets via Ecole and MILP papers, and created datasets for subsequent experiments.
 - Co-designed MILP instance generators benchmark and validated metrics and evaluated performance within our framework.
- **Achievement:** Currently submitted to **ICLR 2026**, under review
 - **Paper Title:** EVA-MILP: Towards Standardized Evaluation of MILP Instance Generation. [\[Paper Link\]](#)
- **Contribution:** Third author of the paper, jointly participated in coding work.

REPRESENTATIVE SCHOOL COURSES PROJECT

ISP Static & Dynamic Pricing Strategies (Group)

Mar 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. [\[Program Code\]](#)

SKILLS

Languages: Mandarin, English

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