YANG Jiahao

+86 136 5579 7740 | jiahaoyang131@gmail.com | GitHub | Portfolio | Shenzhen, China

Education

The Chinese University of Hong Kong, Shenzhen — Shenzhen, China
Bachelor of Engineering in Computer Science and Engineering — *Sep 2022 – Jul 2026*

The Chinese University of Hong Kong, Shenzhen — Shenzhen, China
Master of Philosophy in Artificial Intelligence — *Sep 2026 – Jul 2028*

Research Intersets

Reinforcement Learning

Multi-Agent Learning

Artificial Intelligence System

Intern Experience

Beijing ByteDance Technology Co., Ltd. — Remote
Agent Development Intern — *Jun 2026 – Sep 2026*

- Participated in the refactoring and merging of OpenViking OpenCode plugins, consolidating standalone repository search plugin and long-term memory plugin into a unified plugin package.
- Validated the effectiveness of OpenViking's memory module and integrated it into our AutoResearch framework for Data Analysis Report Generation. The integration reduced total token consumption by 26.8% per run. Generated reports achieved improvements across dimensions including presentation quality, logical coherence, among others.

Baidu International Technology (Shenzhen) Co., Ltd. — Shenzhen, China
Golang Backend Developer Engineer — *Jun 2025 – Sep 2025*

- Responsible for five OEM feature engineering rounds, introducing 132 new feature fields to boost the Click-Through Rate (CTR) model's predictive performance.
- Packaged core reusable utilities (e.g. binning, LCS algorithm) into the CTR model pipeline, boosting development efficiency for subsequent tasks.
- Implemented Redis sharded clusters to support massive user-profile workloads for India and Indonesia, maintaining reliable service operation.
- Identified and assisted in resolving data ID inconsistencies during parameter passing via Redis in the CTR model pipeline, aligning data standards to ensure data reliability.

Digital Jinhua Technology Operation Co., Ltd. — Jinhua, China
Java Backend Developer Engineer — *Jul 2024 – Aug 2024*

- Assisted in maintaining and optimizing the municipal government official platform developed by company, including modifying, updating, and redesigning its APIs.

Research Experience

AutoResearch framework for Data Analysis Report Generation — *2026*

- Introduce an intent-sensitive AutoResearch framework that leverages a persistent methodological contract to govern data analysis and scientific writing.
- Contributed to a manuscript submitted to KDD 2027 AI4Sciences Track (under review).

Mixed-integer linear programming (MILP) Instance Generators Benchmark — *2025*

- Introduce a benchmark framework to evaluate MILP instance generation methods across 4 dimensions: structural similarity, mathematical validity, computational hardness, and utility in downstream machine learning tasks.
- Preprint: *EVA-MILP: Towards Standardized Evaluation of MILP Instance Generation.*
  Authors: Yidong Luo, Chenguang Wang, ***Jiahao Yang***, Fanzeng Xia, Tianshu Yu

Skills

Languages: Mandarin, English

Technologies: Java, Golang, Python, C/C++, MatLab, MySQL