

HAOXUAN LI

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EDUCATION

- Ph.D. Student**, College of AI, Tsinghua University (GPA: 4.00/4.00) 2025.09 – Present
- Huanlan Dream Scholarship
- M.Eng.**, School of Computer Science, Beihang University (GPA: 3.73/4.00) 2022.09 – 2025.06
- Outstanding Graduate of Beihang University; National Scholarship for Graduate Students (2024); Academic Scholarship (2022, 2023); Computer Star Scholarship (2023)
- B.Eng.**, School of Computer Science, Beihang University (GPA: 3.53/4.00) 2018.09 – 2022.06
- Academic Excellence Scholarship (2018); Outstanding Student of Beihang University (2021); Outstanding Teaching Assistant, Beihang College (2021)

SELECTED PUBLICATIONS (FIRST/CO-FIRST/STUDENT-FIRST AUTHOR)

- Graph of Trace: Visualizing Execution Traces of Scientific Agents
Tianci Gao*, **Haoxuan Li***, ..., Lu Mi ACL 2026 Demo Track
- Which type of students can LLMs act? Investigating authentic simulation with graph-based Human-AI collaborative system
Haoxuan Li*, Jifan Yu*, ..., Zhiyuan Liu AI Open 2026
- Explainable Few-shot Knowledge Tracing
Haoxuan Li*, Jifan Yu*, ..., Zhang Xiong FODE 2025
- Wasserstein Dependent Graph Attention Network for Collaborative Filtering with Uncertainty
Haoxuan Li, Yuanxin Ouyang, ..., Zhang Xiong IEEE TCSS 2024
- A Review of Data Mining in Personalized Education: Current Trends and Future Prospects
Zhang Xiong, **Haoxuan Li**, ..., Yuanxin Ouyang FODE 2024

TECHNICAL REPORTS

- BrainPilot: Automating Brain Discovery with Agentic Research
Haoxuan Li, Tianci Gao, ..., Lu Mi arXiv 2026
- From MOOC to MAIC: Reimagine Online Teaching and Learning Through LLM-Driven Agents
Jifan Yu, Daniel Zhang-Li, Zheyuan Zhang, Yucheng Wang, **Haoxuan Li**, ..., Maosong Sun JCST 2026

RESEARCH PROJECTS

BrainPilot

Student Lead

NeuroAI Group, College of AI, Tsinghua University

- Lead the development of a trustworthy agentic research platform for brain science and its evaluation benchmark.

Massive AI-Powered Interactive Courses (MAIC)

Founding Member Knowledge Engineering Group, Department of Computer Science and Technology, Tsinghua University

- Research frontier technologies for MAIC. The OpenMAIC open-source project has received **17k+ GitHub stars**. MAIC has supported more than 50 courses and was selected among the first demonstration applications of China's National Smart Education Platform 2.0.

AI Programming Assistant for University Computer Fundamentals

Student Lead

Engineering Center, School of Computer Science and Engineering, Beihang University

- Led the development of a programming assistant and teaching tools. The project was selected as one of the first exemplary "AI + Higher Education" application scenarios by the Department of Higher Education, Ministry of Education; the course was also selected for Beihang University's first cohort of AI-enhanced course-development projects.

OTHER PUBLICATIONS

ResearchClawBench: A benchmark for end-to-end autonomous scientific research

Wanghan Xu, Shuo Li, ..., **Haoxuan Li**, ..., Wenlong Zhang

arXiv 2026

PopDCL: Popularity-aware Debaised Contrastive Loss for Collaborative Filtering

Zhuang Liu, **Haoxuan Li**, ..., Zhang Xiong

CIKM 2023 (Oral)

Debaised Contrastive Loss for Collaborative Filtering

Zhuang Liu, Yunpu Ma, **Haoxuan Li**, ..., Zhang Xiong

KSEM 2023 (Oral)

ACADEMIC AND TEACHING SERVICE

Reviewer and Program Committee Member

- CIKM Full Research Track (2025, 2026); CIKM Resource Track (2025); Frontiers of Digital Education

Teaching Assistant (8 semesters; Head TA for 3 semesters)

- Tsinghua University: Brain and Machine Intelligence
- Beihang University: Introduction to Computing and Ethics; University Computer Fundamentals; Software Engineering

ADDITIONAL INFORMATION

- **Language:** English (IELTS 7.5)
- **Research interests:** Cognitive science; AI for education
- **Interests:** Football; cycling; photography