

郝千越

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🎓 教育经历

清华大学 电子工程系 2018.08 – 2022.06
工学学士, GPA 3.80/4.00 (排名 Top 10%), 优秀毕业论文

清华大学 电子工程系 2022.08 – 今
工学博士在读

📊 科研工作

研究方向: 强化学习 (RL), 大语言模型 (LLMs)

- LLMs 后训练 RL、agentic RL 技术
代表工作: ICLR'26*2
- LLMs 在文本挖掘任务中的应用
代表工作: Nature, NeurIPS'25 (spotlight), NeurIPS'24
- RL 在大规模决策任务中的应用
代表工作: KDD'25, KDD'24, KDD'23, KDD'22, KDD'21, KDD'20

会议论文

- **[ICLR'26]** RL of Thoughts: Navigating LLM Reasoning with Inference-time Reinforcement Learning
*Qianyue Hao**, Sibor Li*, Jian Yuan, Yong Li
- **[ICLR'26]** Reinforcement Learning Fine-Tuning Enhances Activation Intensity and Diversity in the Internal Circuitry of LLMs
*Honglin Zhang**, *Qianyue Hao**, Fengli Xu, Yong Li
- **[NeurIPS'25 (spotlight)]** LLM-Explorer: A Plug-in Reinforcement Learning Policy Exploration Enhancement Driven by Large Language Models
*Qianyue Hao**, Yiwen Song*, Qingmin Liao, Jian Yuan, Yong Li
- **[NeurIPS'24]** HLM-Cite: Hybrid Language Model Workflow for Text-based Scientific Citation Prediction
Qianyue Hao, Jingyang Fan, Fengli Xu, Jian Yuan, Yong Li
- **[KDD'25]** CoopRide: Cooperate All Grids in City-Scale Ride-Hailing Dispatching with Multi-Agent Reinforcement Learning
*Jingwei Wang**, *Qianyue Hao**, Wenzhen Huang, Xiaochen Fan, Qin Zhang, Zhentao Tang, Bin Wang, Jianye Hao, Yong Li
- **[KDD'24]** DyPS: Dynamic Parameter Sharing in Multi-Agent Reinforcement Learning for Spatio-Temporal Resource Allocation
*Jingwei Wang**, *Qianyue Hao**, Wenzhen Huang, Xiaochen Fan, Zhentao Tang, Bin Wang, Jianye Hao, Yong Li
- **[KDD'23]** GAT-MF: Graph Attention Mean Field for Very Large Scale Multi-Agent Reinforcement Learning
Qianyue Hao, Wenzhen Huang, Tao Feng, Jian Yuan, Yong Li
- **[KDD'22]** Reinforcement Learning Enhances the Experts: Large-scale COVID-19 Vaccine Allocation with Multi-factor Contact Network
Qianyue Hao, Wenzhen Huang, Fengli Xu, Kun Tang, Yong Li
- **[KDD'21]** Hierarchical Reinforcement Learning for Scarce Medical Resource Allocation with Imperfect Information
Qianyue Hao, Fengli Xu, Lin Chen, Pan Hui, Yong Li
- **[KDD'20]** Understanding the Urban Pandemic Spreading of COVID-19 with Real World Mobility Data
*Qianyue Hao**, Lin Chen*, Fengli Xu, Yong Li
- **[CIKM'25]** CityLight: A Neighborhood-inclusive Universal Model for Coordinated City-scale Traffic Signal Control
Jinwei Zeng, Chao Yu, Xinyi Yang, Wenxuan Ao, *Qianyue Hao*, Jian Yuan, Yong Li, Yu Wang, Huazhong Yang

期刊论文

- **[Nature]** Artificial Intelligence Tools Expand Scientists’ Impact but Contract Science’s Focus
Qianyue Hao, Fengli Xu, Yong Li, James Evans
- **[TIST]** Hierarchical Multi-agent Model for Reinforced Medical Resource Allocation with Imperfect Information
Qianyue Hao, Fengli Xu, Lin Chen, Pan Hui, Yong Li
- **[CSUR]** Reinforcement Learning in the Era of Large Language Models: Challenges and Opportunities
Qianyue Hao, Lin Chen, Xiaoqian Qi, Yuan Yuan, Zefang Zong, Hongyi Chen, Keyu Zhao, Shengyuan Wang, Yunke Zhang, Jian Yuan, Yong Li
- **[CSUR]** A Survey of Machine Learning for Urban Decision Making: Applications in Planning, Transportation, and Healthcare
Yu Zheng, Qianyue Hao, Jingwei Wang, Changzheng Gao, Jinwei Chen, Depeng Jin, Yong Li
- **[Patterns]** Toward Large Reasoning Models: A Survey of Reinforced Reasoning with Large Language Models
Fengli Xu, Qianyue Hao*, Chenyang Shao*, Zefang Zong*, Yu Li*, Jingwei Wang, Yunke Zhang, Jingyi Wang, Xiaochong Lan, Jiahui Gong, Tianjian Ouyang, Fanjin Meng, Yuwei Yan, Qinglong Yang, Yiwen Song, Sijian Ren, Xinyuan Hu, Jie Feng, Chen Gao, Yong Li*

预印本

- **[arxiv]** KeyWorld: Key Frame Reasoning Enables Effective and Efficient World Models
Sibo Li, Qianyue Hao*, Yu Shang, Yong Li*
- **[arxiv]** Multiple Weaks Win Single Strong: Large Language Models Ensemble Weak Reinforcement Learning Agents into a Supreme One
Yiwen Song, Qianyue Hao*, Qingmin Liao, Jian Yuan, Yong Li*
- **[arxiv]** A Survey on Human-Centric LLMs
Jing Yi Wang, Nicholas Sukiennik, Tong Li, Weikang Su, Qianyue Hao, Jingbo Xu, Zihan Huang, Fengli Xu, Yong Li

🔑 实习经历

斯伦贝谢, 实习算法工程师	2024.07 – 2024.08
• 石油地质探测项目，包括训练数据合成，强化学习智能体的训练与评估 • 获得项目负责人积极评价，相关成果国际专利申请中	
字节跳动, 实习算法工程师	2021.06 – 2021.09
• 游戏 AI 项目，包括强化学习智能体的训练与评估，以及智能体性能预测 • 获得项目负责人积极评价	

🏆 获奖经历

研究生综合奖学金，清华大学	2025.10
研究生综合奖学金，清华大学电子系	2023.10
本科优秀毕业论文，清华大学	2022.06
本科生国家奖学金，教育部	2021.10
本科生综合奖学金，清华大学	2020.10