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)
- 大语言模型后训练、推理时的强化学习技术
  近期探索，预印本
- 大语言模型在文本挖掘任务中的应用
  代表工作: Nature, NeurIPS'25 (spotlight), NeurIPS'24
- 强化学习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

会议论文

- **[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 (accept in principle)]** AI Expands Scientists' Impact but Contracts Science's Focus
  Qianyue Hao, Fengli Xu, Yong Li, James Evans
- **[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

- **[TIST]** Hierarchical Multi-agent Model for Reinforced Medical Resource Allocation with Imperfect Information
***Qianyue Hao**, Fengli Xu, Lin Chen, Pan Hui, 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*

预印本

- **[arxiv]** RL of Thoughts: Navigating LLM Reasoning with Inference-time Reinforcement Learning
Qianyue Hao, Sibo Li*, Jian Yuan, Yong Li*
- **[arxiv]** KeyWorld: Key Frame Reasoning Enables Effective and Efficient World Models
Sibo Li, **Qianyue Hao***, Yu Shang, Yong Li*
- **[arxiv]** Reinforcement Learning Fine-Tuning Enhances Activation Intensity and Diversity in the Internal Circuitry of LLMs
Honglin Zhang, **Qianyue Hao***, Fengli Xu, 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*
- **[ResearchGate]** 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*
- **[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