

HAOYU ZHANG

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Harbin Institute of Technology (Shenzhen)

EDUCATION

- **Harbin Institute of Technology** Sep 2023 - Now
PhD in Electronic Information, GPA: 3.3/4.0
Advised by [Liqiang Nie](#), [Yaowei Wang](#), and [Meng Liu](#) Shenzhen, China
- **Shandong University** Sep 2020 - Jun 2023
Master in Computer Technology, GPA: 91.6/100.0
Advised by [Liqiang Nie](#) and [Meng Liu](#) Qingdao, China
- **Shandong University of Science and Technology** Sep 2016 - Jun 2020
Bachelor in Digital Media Technology, GPA: 90.7/100.0 Qingdao, China

PUBLICATIONS

C=CONFERENCE, J=JOURNAL

- [J.1] **Attribute-guided Collaborative Learning for Partial Person Re-identification** 📄
Haoyu Zhang, Meng Liu, Yuhong Li, Ming Yan, Zan Gao, Xiaojun Chang, Liqiang Nie.
Regular Paper in IEEE TPAMI 2023
- [C.1] **Spatial Understanding from Videos: Structured Prompts Meet Simulation Data** 📄
Haoyu Zhang, Meng Liu, Zaijing Li, Haokun Wen, Weili Guan, Yaowei Wang, Liqiang Nie.
Spotlight Paper (3%) in NeurIPS 2025
- [C.2] **Multi-Factor Adaptive Vision Selection for Egocentric Video Question Answering** 📄
Haoyu Zhang, Meng Liu, Zixin Liu, Xuemeng Song, Yaowei Wang, Liqiang Nie.
Regular Paper in ICML 2024
- [C.3] **Exo2Ego: Exocentric Knowledge Guided MLLM for Egocentric Video Understanding** 📄
Haoyu Zhang, Qiaohui Chu, Meng Liu, Haoxiang Shi, Yaowei Wang, Liqiang Nie.
Regular Paper in AAAI 2025
- [C.4] **Multimodal Dialog System: Relational Graph-based Context-aware Question Understanding** 📄
Haoyu Zhang, Meng Liu, Zan Gao, Xiaoqiang Lei, Yinglong Wang, Liqiang Nie.
Regular Paper in ACM MM 2021
- [J.2] **Uncovering Hidden Connections: Iterative Search and Reasoning for Video-grounded Dialog** 📄
Haoyu Zhang, Meng Liu, Yisen Feng, Yaowei Wang, Weili Guan, Liqiang Nie.
Regular Paper in ACM TOIS 2025
- [C.5] **Object-Shot Enhanced Grounding Network for Egocentric Video** 📄
Yisen Feng, Haoyu Zhang, Meng Liu, Weili Guan, Liqiang Nie.
Regular Paper in CVPR 2025
- [C.6] **Intention-Guided Cognitive Reasoning for Egocentric Long-Term Action Anticipation** 📄
Qiaohui Chu, Haoyu Zhang, Meng Liu, Yisen Feng, Haoxiang Shi, Liqiang Nie.
Regular Paper in AAAI 2025
- [C.7] **Bi-directional Heterogeneous Graph Hashing towards Efficient Outfit Recommendation** 📄
Weili Guan, Xuemeng Song, Haoyu Zhang, Meng Liu, Chung-Hsing Yeh, Xiaojun Chang.
Oral Paper in ACM MM 2022

INTERN EXPERIENCE

- **Academic Intern, Community Science, Kuaishou Technology** Jul 2024 - Jul 2025
Multimodal Large Language Model
Advised by Fang Yang, Bin Wen
- **Academic Intern, Alibaba Cloud Intelligence, Alibaba Group** Wed 2022 - Jul 2022
Partial Person Re-identification
Advised by Jian Gu, Jinpeng Xia

HONORS AND AWARDS

• Heilongjiang Provincial Model Student	2025
• Tat-Seng Chua Scholarship	2025
• NeurIPS Scholar Award	2025
• CVPR EgoVis Workshop, Ego4D Challenge, Champion × 4	2025
• INSUN Education Scholarship	2024
• CVPR EgoVis Workshop, Ego4D Challenge, Champion × 1, Runner-up × 1	2024
• ICML Travel Award	2024
• Outstanding Graduates of Shandong University	2023
• National Scholarship	2021
• ACM MM Student Travel Award	2021
• Outstanding Graduates of Shandong Province	2020
• Top 10 Outstanding Students in the School of Computer Science and Engineering	2019

ACADEMIC SERVICES

- **Conference Reviewer:** CVPR, ICCV, NeurIPS, ICML, ICLR, SIGIR, ACM MM, AAAI, IJCAI, ICMR, PRCV, ISCAS, ECAI
- **Journal Reviewer:** IEEE TIP, IEEE TKDE, IEEE TCSVT, IEEE TMM, Information Sciences
- **Volunteer:** ICML