

Zihao Zhu

Phone: 86-166-1982-1803 | Email: zhuzihao@ie.ac.cn

Website: <https://astro-zihao.github.io>

RESEARCH INTEREST

Vision-and-Language, Visual Question Answering, Visual Reasoning, Visual Dialog

EDUCATION

University of Chinese Academy of Sciences

Beijing, China

M.S in Computer Science

2018.09 - 2021.06

GPA: 3.63/4.0

China University of Mining and Technology

Jiangsu, China

B.S in Computer Science

2014.09 - 2018.06

GPA: 3.73/4.0 (Top 3%)

RESEARCH EXPERIENCE

Institute of Information Engineering, Research Intern

Graph Embedding, Graph Visualization

2017.10 - 2018.08

Advisor: Chuan Zhou

RESEARCH PROJECTS

Vision & Language

- **Visual Question Answering:** We depicted an image by multiple knowledge graphs from the visual, semantic and factual views and proposed a multi-layer cross-modal knowledge reasoning by a heterogeneous graph convolutional network for Fact-based Visual Question Answering (published in IJCAI).
- **Visual Dialogue:** We proposed an adaptive dual encoding model for deep visual understanding in visual dialogue (won the 6th in Visual Dialog Challenge 2019).

PUBLICATIONS

1. **Zihao Zhu**, Jing Yu, Yujing Wang, Yajing Sun, Yue Hu, Qi Wu. Mucko: Multi-Layer Cross-Modal Knowledge Reasoning for Fact-based Visual Question Answering. In *IJCAI*, 2020 (accept rate: 12.6%)
2. Xiaoze Jiang, Jing Yu, Yajing Sun, Zengchang Qin, **Zihao Zhu**, Qi Wu. DAM: Deliberation, Abandon and Memory Networks for Generating Detailed and Non-repetitive Responses in Visual Dialogue. In *IJCAI*, 2020 (accept rate: 12.6%)
3. Jing Yu*, **Zihao Zhu***, Yujing Wang, Weifeng Zhangd, Yue Hu, Jianlong Tan. Cross-Modal Knowledge Reasoning for Knowledge-based Visual Question Answering. In *Pattern Recognition, 2020 (Under review)*

SERVICE

Conference Reviewing

Help to review for IJCNN 2018, KDD 2018, SDM 2019, IJCAI 2020.

SKILLS

Python, JAVA, Pytorch