

ZHAOKAI WANG

Ph.D. candidate at Shanghai Jiao Tong University
Shanghai, China — wangzhaokai@sjtu.edu.cn — (+86) 13651101915

EDUCATION

Beihang University, Beijing 09/2018 — 06/2022
B.Eng in Computer Science Overall GPA: 3.80
Peking University, Beijing 09/2019 — 06/2022
Double bachelor degree in Economics
Shanghai Jiao Tong University, Shanghai 09/2022 — Present
Joint Ph.D. program with Shanghai AI Laboratory Advisor: Prof. Jifeng Dai

EXPERIENCE

CoLab, Institute of Artificial Intelligence at Beihang University Beijing
Research intern, collaborated with Prof. Si Liu 08/2019 - 06/2022
• Research on computer vision and music generation.

Sea AI Lab Remotely at Beijing
Research intern, collaborated with Prof. Shuicheng Yan and Dr. Jibin Wu 08/2021 - 02/2022
• Research on music generation.

Fundamental Vision Group, SenseTime Beijing
Research intern, collaborated with Prof. Jifeng Dai and Dr. Xizhou Zhu 02/2022 - 10/2022
• Research on computer vision.

OpenGVLab, Shanghai AI Laboratory Shanghai
Research intern, collaborated with Prof. Jifeng Dai 11/2022 - Present
• Research on computer vision.

PUBLICATIONS

- Confidence-aware Non-repetitive Multimodal Transformers for TextCaps AAAI 2021
Zhaokai Wang, Renda Bao, Qi Wu, Si Liu
- Video Background Music Generation with Controllable Music Transformer ACM MM 2021 **Best Paper**
Shangzhe Di, Zeren Jiang, Si Liu, **Zhaokai Wang**, Leyan Zhu, Zexin He, Hongming Liu, Shuicheng Yan
- Video Background Music Generation: Dataset, Method and Evaluation ICCV 2023
Le Zhuo*, **Zhaokai Wang***, Baisen Wang*, Yue Liao, Chenxi Bao, Stanley Peng, Songhao Han, Aixi Zhang, Fei Fang, Si Liu
- Auto MC-Reward: Automated Dense Reward Design with Large Language Models for Minecraft CVPR 2024
Hao Li*, Xue Yang*, **Zhaokai Wang***, Xizhou Zhu, Jie Zhou, Yu Qiao, Xiaogang Wang, Hongsheng Li, Lewei Lu, Jifeng Dai
- Synergizing Spatial Optimization with Large Language Models for Open-Domain Urban Itinerary Planning (Preprint)
Yihong Tang*, **Zhaokai Wang***, Ao Qu*, Yihao Yan*, Kebin Hou, Dingyi Zhuang, Xiaotong Guo, Jinhua Zhao, Zhan Zhao, Wei Ma

SELECTED AWARDS AND HONORS

Best Zero to One Award, Alibaba Creator@AI Entrepreneur Hackathon Finals 2024
Best Paper Award, ACM Multimedia 2021 2021
Best Video Award, IJCAI-21 Video Competition 2021
First place, CVPR TextCaps Challenge (as team leader) 2020
Third place, CVPR TextVQA Challenge (as team leader) 2020

ADDITIONAL INFORMATION

Activities

- **Conference Reviewer:** ICCV 2023, CVPR 2024, ECCV 2024, NeurIPS 2024.
- **Teaching Assistant:** Fundamentals of Computers, Software Engineering.

Skills

- **Programming languages:** Python, C/C++, Java, Javascript.
- **Scientific packages:** Numpy, Pytorch, Tensorflow.
- **English:** TOEFL 111 (S26) , GRE 327+4.0, CET-4 669, CET-6 612.