

ZHAOKAI WANG

Ph.D. candidate at Shanghai Jiao Tong University
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EDUCATION

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

EXPERIENCE

OpenGVLab, Shanghai AI Laboratory	Shanghai
Research intern, collaborated with Prof. Jifeng Dai	11/2022 - Present
• Research on computer vision.	
Fundamental Vision Group, SenseTime	Beijing
Research intern, collaborated with Prof. Jifeng Dai and Dr. Xizhou Zhu	02/2022 - 10/2022
• Research on computer vision.	
CoLab, Institute of Artificial Intelligence at Beihang University	Beijing
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.	
Research intern, collaborated with Prof. Si Liu	08/2019 - 06/2022
• Research on computer vision and music generation.	

PUBLICATIONS

- Parameter-Inverted Image Pyramid Networks (Preprint)
Xizhou Zhu*, Xue Yang*, **Zhaokai Wang***, Hao Li, Wenhan Dou, Junqi Ge, Lewei Lu, Yu Qiao, 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
- 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
- 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
- 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
- Confidence-aware Non-repetitive Multimodal Transformers for TextCaps AAAI 2021
Zhaokai Wang, Renda Bao, Qi Wu, Si Liu

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.