

ZHAOKAI WANG

Ph.D. candidate at Shanghai Jiao Tong University
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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
- Parameter-Inverted Image Pyramid Networks (Preprint)
Xizhou Zhu*, Xue Yang*, **Zhaokai Wang***, Hao Li, Wenhan Dou, Junqi Ge, Lewei Lu, Yu Qiao, Jifeng Dai

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.