ZHAOKAI WANG （王肇凯）

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

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.

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.

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.

PUBLICATIONS

1. Parameter-Inverted Image Pyramid Networks   (Preprint)
   Xizhou Zhu*, Xue Yang*, **Zhaokai Wang***, Hao Li, Wenhan Dou, Junqi Ge, Lewei Lu, Yu Qiao, Jifeng Dai

2. Synergizing Spatial Optimization with Large Language Models for Open-Domain Urban Itinerary Planning (Preprint)
   Yihong Tang*, **Zhaokai Wang***, Ao Qu*, Yihao Yan*, Kebing Hou, Dingyi Zhuang, Xiaotong Guo, Jinhua Zhao, Zhan Zhao, Wei Ma

3. 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

4. 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

5. 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

6. 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.