ZHAOKAI WANG （王肇凯）

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

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 and Dr. Xizhou Zhu — 11/2022 - Present
Fundamental Vision Group, SenseTime — Beijing
Research intern, collaborated with Prof. Jifeng Dai and Dr. Xizhou Zhu — 02/2022 - 10/2022
Sea AI Lab — Remotely at Beijing
Research intern, collaborated with Prof. Shuicheng Yan and Dr. Jibin Wu — 08/2021 - 02/2022
CoLab, Institute of Artificial Intelligence at Beihang University — Beijing
Research intern, collaborated with Prof. Si Liu — 08/2019 - 06/2022

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 — KDD UrbComp 2024 **(Best Paper)**
   Yihong Tang*, **Zhaokai Wang***, Ao Qu*, Yihao Yan*, Zhaofeng Wu, Dingyi Zhuang, Jushi Kai, Kebing Hou, 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 Paper Award, KDD Urban Computing Workshop (UrbComp) 2024 — 2024
Best Zero to One Award, Alibaba Creator@AI Entrepreneur Hackathon Finals — 2024
Best Paper Award, ACM Multimedia 2021 — 2021
Best Video Award, IJCAI 2021 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, EMNLP 2024, AAAI 2025, ICLR 2025.
- **Teaching Assistant:** Fundamentals of Computers (2021), Software Engineering (2022).

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.