ZHAOKAI WANG （王肇凯）

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 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   NeurIPS 2024 (Spotlight)
   Xizhou Zhu*, Xue Yang*, **Zhaokai Wang***, Hao Li, Wenhan Dou, Junqi Ge, Lewei Lu, Yu Qiao, Jifeng Dai

2. ITINERA: Integrating Spatial Optimization with Large Language Models for Open-domain   EMNLP 2024
   Urban Itinerary Planning
   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. Synergizing Spatial Optimization with Large Language Models for   KDD UrbComp 2024 **(Best Paper)**
   Open-Domain Urban Itinerary Planning
   Yihong Tang*, **Zhaokai Wang***, Ao Qu*, Yihao Yan*, Kebing Hou, Dingyi Zhuang, Xiaotong Guo, Jinhua Zhao, Zhan Zhao, Wei Ma

4. 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

5. 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

6. 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

7. 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   2020
Third place, CVPR TextVQA Challenge   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.