

# ZHAOKAI WANG

PhD student at Shanghai Jiao Tong University  
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## EDUCATION

<b>Beihang University</b> BS in Computer Science	Beijing, China August 2018 – June 2022
<b>Peking University</b> Double bachelor degree in Economics	Beijing, China September 2019 – June 2022
<b>Shanghai Jiao Tong University</b> Joint PhD program with Shanghai Artificial Intelligence Laboratory (Supervisor: Prof. Jifeng Dai)	Shanghai, China September 2022 – Present

## 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 Award**)  
Shangzhe Di, Zeren Jiang, Si Liu, **Zhaokai Wang**, Leyan Zhu, Zexin He, Hongming Liu, Shuicheng Yan
- Video Background Music Generation: Dataset, Method and Evaluation (Preprint)  
Le Zhuo\*, **Zhaokai Wang\***, Baisen Wang\*, Yue Liao, Stanley Peng, Chenxi Bao, Miao Lu, Xiaobo Li, Si Liu

## RESEARCH EXPERIENCE

<b>Beihang University (School of Computer Science and Engineering)</b> Research Assistant to Associate Professor Si Liu.	Beijing, China August 2019 – June 2022
<ul style="list-style-type: none"><li>Researched on vision and language, focusing on Visual Question Answering and Image Captioning with reading comprehension.</li><li>Won first place of CVPR TextCaps Challenge 2020 and third place of CVPR TextVQA Challenge 2020.</li><li>One paper (as first author) accepted by AAAI 2021.</li><li>Worked on video background music generation following Prof. Shuicheng Yan (IEEE fellow) from National University of Singapore. One paper was accept by ACM MM 2021 as Best Paper Award.</li></ul>	

## WORKING EXPERIENCE

<b>Sea AI Lab</b> Research Assistant to Prof. Shuicheng Yan and Dr. Jibin Wu	Remotely at Beijing August 2021 – February 2022
<ul style="list-style-type: none"><li>Research on video background music generation.</li></ul>	
<b>SenseTime - Fundamental Vision Group</b> Research Assistant to Prof. Jifeng Dai and Dr. Xizhou Zhu	Beijing, China February 2022 – October 2022
<ul style="list-style-type: none"><li>Research on computer vision.</li></ul>	
<b>Shanghai Artificial Intelligence Laboratory - General Vision Group</b> Research Assistant to Prof. Jifeng Dai	Shanghai, China November 2022 – Present
<ul style="list-style-type: none"><li>Research on computer vision.</li></ul>	

## SELECTED AWARDS AND HONORS

ACM Multimedia 2021 Best Paper Award	2021
IJCAI-21 Video Competition Best Video Award	2021
Winner of CVPR TextCaps Challenge (as team leader)	2020
Third place of CVPR TextVQA Challenge (as team leader)	2020

## ADDITIONAL INFORMATION

### Extracurricular Experiences

- Vice-minister of Department of Publicity in Honors College Student Union
- Teaching Assistant of Fundamentals of Computers and Software Engineering at Beihang University
- Minister of IT Department in Microsoft Student Club of Beihang University

### Language and Computer 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