

# ZHAOKAI WANG

PhD student at Shanghai Jiao Tong University  
+86 13651101915 | wz1015@buaa.edu.cn

## 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 AI 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

## 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 (ACM fellow) from National University of Singapore. One paper was accepted by ACM MM 2021 as Best Paper Award.</li></ul>	
<b>Harvard University (Medical School)</b> Research Assistant to Associate Professor Luo Gang.	Remotely September 2020 – June 2021
<ul style="list-style-type: none"><li>Surveyed on human eye datasets.</li><li>Developed a model for detection of iris, pupil and eye region in photos shot by cellphone cameras.</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>Researching on video background music generation.</li></ul>	
<b>SenseTime - Fundamental Vision Department</b> Research Assistant to Dr. Jifeng Dai and Dr. Xizhou Zhu	Beijing, China February 2022 – Present
<ul style="list-style-type: none"><li>Researching on computer vision.</li></ul>	

## SELECTED AWARDS AND HONORS

ACM Multimedia 2021 Best Paper Award	2021
IJCAI-21 Video Competition Best Video Award	2021
First Prize of Lanqiao Cup National Programming Contest	2021
First Prize of the Thirtieth Fengru Cup Competition in Science and Technology	2021
Meritorious Winner of Interdisciplinary Contest in Modeling (MCM/ICM)	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