ZHAOKAI WANG

Computer Science Major
Shenyuan Honors College, Beihang University, P.R. China
Double major in Economics at Peking University
+86 13651101915 | wzk1015@buaa.edu.cn

EDUCATION

Beihang University   Beijing, China
BS in Computer Science (Expected in June 2022)   August 2018 – June 2022
Shanghai Jiao Tong University   Shanghai, China
joint PhD program with Shanghai AI Laboratory (Supervisor: Prof. Jifeng Dai)   September 2022 – Present

PUBLICATIONS

1. Confidence-aware Non-repetitive Multimodal Transformers for TextCaps (AAAI 2021)
   Zhaokai Wang, Renda Bao, Qi Wu, Si Liu
2. 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

Beihang University (School of Computer Science and Engineering)   Beijing, China
Research Assistant to Associate Professor Si Liu.   August 2019 – Present
- Researched on vision and language, focusing on Visual Question Answering and Image Captioning with reading comprehension.
- Won first place of CVPR TextCaps Challenge 2020 and third place of CVPR TextVQA Challenge 2020.
- One paper (as first author) accepted by AAAI 2021.
- Worked on video background music generation following Prof. Shuicheng Yan (ACM fellow) from National University of Singapore. One paper was accept by ACM MM 2021 as Best Paper Award.

Harvard University (Medical School)   Remotely
Research Assistant to Associate Professor Luo Gang.   September 2020 – June 2021
- Surveyed on human eye datasets.
- Developed a model for detection of iris, pupil and eye region in photos shot by cellphone cameras.

WORKING EXPERIENCE

Sea AI Lab   Remotely at Beijing
Research Assistant to Prof. Shuicheng Yan and Dr. Jibin Wu   August 2021 – February 2022
- Researching on video background music generation.

SenseTime - Fundamental Vision Department   Beijing, China
Research Assistant to Dr. Jifeng Dai and Dr. Xizhou Zhu   February 2022 – Present
- Researching on computer vision

SELECTED AWARDS AND HONORS

ACM Multimedia 2021 Best Paper Award	2021
IJCAI-21 Video Competition Best Video Award	2021
First Price of Lanqiao Cup National Programming Contest	2021
First Price 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
Beihang University Scholarship for Learning - Second Prize (twice)	2019 and 2020
Beihang University Scholarship for Innovation - Second Prize	2020

ADDITIONAL INFORMATION

Extracurricular Experiences
- Vice-minister of Department of Publicity in Honors College Student Union (June 2019 – May 2020)
- Teaching Assistant of Fundamentals of Computers course (March 2021 – June 2021)
- Minister of IT Department in Microsoft Student Club of Beihang University (August 2021 – 2022)

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