

ZHAOKAI WANG

PhD student at Shanghai Jiao Tong University
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EDUCATION

Beihang University

BS in Computer Science

Beijing, China

August 2018 – June 2022

Peking University

Double bachelor degree in Economics

Beijing, China

September 2019 – June 2022

Shanghai Jiao Tong University

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

Beihang University (School of Computer Science and Engineering)

Beijing, China

Research Assistant to Associate Professor Si Liu.

August 2019 – June 2022

- 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 (IEEE fellow) from National University of Singapore. One paper was accepted 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

- Research on video background music generation.

SenseTime - Fundamental Vision Department

Beijing, China

Research Assistant to Prof. Jifeng Dai and Dr. Xizhou Zhu

February 2022 – October 2022

- Research on computer vision.

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