

Ziyang Wang

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EDUCATION

The University of North Carolina at Chapel Hill

Ph.D. student in Computer Science department

- Advisor: [Prof. Mohit Bansal](#)
- Research Interest: multimodal learning, video-language understanding

Chapel Hill, NC

Sept 2022 - May 2027 (Expected)

University of Electronic Science and Technology of China

Bachelor of Software Engineering

- Graduate from Elite Program
- GPA: 3.92/4

Chengdu, China

Sept 2018 - July 2022

RESEARCH INTEREST

Multimodal learning, vision-language understanding

- In general, I am interested in the fundamental challenges in video understanding. Recently, I have been interested in using neuro-symbolic methods to accomplish complex and explainable video understanding using multiple pretrained models.

RESEARCH EXPERIENCE

Research Assistant

UNC Chapel Hill

- Advised by [Prof. Mohit Bansal](#), also work closely with [Prof. Gedas Bertasius](#)
- Have a broad interest in multi-modal learning, video-language understanding

September 2022 – present

Chapel Hill, NC

Applied Scientist Intern

Amazon Alexa AI

- Work with [Heba Elfardy](#), [Kevin Small](#), [Markus Dreyer](#) on multimodal retrieval

May 2023 – Oct 2023

Seattle, WA

Research Intern

Tsinghua University

- Work with [Prof. Jingjing Liu](#) on multimodality

October 2021 – May 2022

Beijing, China

Research Assistant

UESTC

- Worked with [Prof. Jingjing Li](#) on transfer learning
- Our paper “Region Semantically Aligned Network for Zero-Shot Learning” has been accepted by CIKM 2021 as an oral paper
- Our paper “Language-Augmented Pixel Embedding for Generalized Zero-shot Learning” has been accepted by TCSVT 2022

January 2021 – September 2021

Chengdu, China

PUBLICATION

1. **Ziyang Wang**, Ziyang Wang, Yi-Lin Sung, Feng Cheng, Gedas Bertasius, Mohit Bansal. Unified Coarse-to-Fine Alignment for Video-Text Retrieval. In Proceedings of the IEEE/CVF International Conference on Computer Vision (**ICCV 2023**) [Link](#)
2. **Ziyang Wang**, Yunhao Gou, Jingjing Li, Lei Zhu, Heng Tao Shen. Language-Augmented Pixel Embedding for Generalized Zero-shot Learning. IEEE Transactions on Circuits and Systems for Video Technology(**TCSVT 2022**) [Link](#)
3. **Ziyang Wang**, Yunhao Gou, Jingjing Li, Yu Zhang, and Yang Yang. Region Semantically Aligned Network for Zero-Shot Learning. In Proceedings of the 30th ACM International Conference on Information and Knowledge Management (**CIKM 2021 oral**) [Link](#)

SERVICE

1. Reviewer: ACL Rolling Review (ARR), CIKM, ACM Multimedia
2. Program Committee: [T4V @ CVPR 2023](#)