

# Ziyang Wang

Homepage: [ziyangw2000.github.io](https://ziyangw2000.github.io) | [Google Scholar](#) | Email: [ziyangw@cs.unc.edu](mailto:ziyangw@cs.unc.edu)

## EDUCATION

### The University of North Carolina at Chapel Hill

*Ph.D. student in Computer Science department*

Chapel Hill, NC

*Sept 2022 - May 2027 (Expected)*

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

### University of Electronic Science and Technology of China

*Bachelor of Software Engineering*

Chengdu, China

*Sept 2018 - July 2022*

- Graduate from Elite Program
- GPA: 3.92/4

## 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*

September 2022 – present

*Chapel Hill, NC*

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

### Applied Scientist Intern

*Amazon Alexa AI*

May 2023 – Oct 2023

*Seattle, WA*

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

### Research Intern

*Tsinghua University*

October 2021 – May 2022

*Beijing, China*

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

### Research Assistant

*UESTC*

January 2021 – September 2021

*Chengdu, China*

- 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

## 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](#)