

# Yunxiao Wang

+86 15621387188    yunxiao.wang@mail.sdu.edu.cn    China  
https://yunxiao-wang.github.io  
Ph.D student, Shandong University



## EDUCATION

### Shandong University

Sep 2022

- Ph.D in Artificial Intelligence, Intelligent Media Research Center.
- Advisor: Prof. Liqiang Nie and Prof. Meng Liu.

### Shandong University

Sep 2019 - Jun 2022

- M.S in Computer Technology, Intelligent Media Research Center.
- Advisor: Prof. Liqiang Nie and Prof. Meng Liu.

### China University of Petroleum (East China)

Sep 2015 - Jun 2019

- B.S in Internet of Things Engineering.

## RESEARCH INTERESTS

Cross-modal Information Retrieval, Multimodal Emotion Recognition.

## PUBLICATIONS

### Unlocking the Power of Multimodal Learning for Emotion Recognition in Conversation

Oct 2023

- [Yunxiao Wang](#), Meng Liu, Zhe Li, Yupeng Hu, Xin Luo, Liqiang Nie.
- Published by ACM International Conference on Multimedia. [\[Link\]](#)

### A Survey on Video Moment Localization

Jan 2023

- Meng Liu, Liqiang Nie, [Yunxiao Wang](#), Meng Wang, Yong Rui.
- Published by ACM Computing Surveys. [\[Link\]](#)

### Siamese Alignment Network for Weakly Supervised Video Moment Retrieval

Apr 2022

- [Yunxiao Wang](#), Meng Liu, Yin-wei Wei, Zhiyong Cheng, Yinglong Wang, Liqiang Nie.
- Published by IEEE Transactions on Multimedia. [\[Link\]](#)

## PATENTS

### A Multimodal Conversational Emotion Recognition Method and System. CN117271743A.

Dec 2023

- Liu Meng, Song Xueming, Han Qiang, Xu Haizhen, Liu Hui, Wang Yunxiao.

### Video Moment Retrieval Method, Video Moment Retrieval Model Training Method and Device. CN113590881A.

Nov 2021

- Nie Liqiang, Liu Meng, Wang Yunxiao, Cheng Zhiyong, Wang Yinglong, Lei Xiaoqiang, Li Yan.

## ONGOING RESEARCH

### Conversational Emotion Recognition in Noisy Labels

Sep 2023 - Present

- Different annotators have varying subjective perceptions of emotions, resulting in disagreements during the annotation process. We aim to mitigate the negative impact of these disagreements by introducing the Crowd Layer.

## PROJECT EXPERIENCE

### Approximate Nearest Neighbor Search Algorithm Research

Jun 2022 - Jan 2023

Team Member, Cooperation Project with Huawei Technologies Co., LTD.

- My task involves contributing to the enhancement of graph indexing algorithms, such as HNSW, in order to enable support for attribute-based hybrid indexing.

### Lightweight Detection of Hidden Dangers in Transmission Line

Jun 2019 - Feb 2020

Team Member, Cooperation Project with Zhiyang Innovation Technology Co., LTD.

- My task is to detect hidden dangers in transmission lines by utilizing lightweight convolutional neural networks such as ShuffleNet and MobileNet, as well as object detection models like Faster R-CNN.

### Product Nameplate Text Recognition

Oct 2018 - May 2019

Data Analysis Intern, Big Data Department, Weichai Power Co., LTD.

- My task is to automatically input product information by utilizing natural scene text detection models like EAST, CTPN, and text recognition models like CRNN to detect and identify irregularly arranged words on the product nameplate.

## HONORS & AWARDS

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First Prize Graduate Academic Scholarship of Shandong University	2023
Second Prize Graduate Freshmen Scholarship of Shandong University	2022
Third Prize Graduate Academic Scholarship of Shandong University	2020 & 2021
First Prize Graduate Freshmen Scholarship of Shandong University	2019
Excellent Graduate of China University of Petroleum (East China)	2019
National Second Prize of the 14th "Bochuang" Cup National College Students Embedded Design Competition	2018
Third Prize of the 13th National College Students "NXP" Cup Intelligent Car Competition in Shandong Region	2018
First Prize Academic Scholarship of China University of Petroleum (East China)	2018
First Prize of the 12th National College Students "NXP" Cup Intelligent Car Competition in Shandong Region	2017
Second Prize of the 15th Shandong Province College Students Software Design Competition	2017
"Outstanding Achievements in Scientific and Technological Contributions" Scholarship	2017
Third Prize Academic Scholarship of China University of Petroleum (East China)	2017
"Shengli Oil Talent" Scholarship	2016

## PROFESSIONAL SERVICES

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Reviewer for IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Circuits and Systems for Video Technology, IEEE Transactions on Multimedia, and Information Sciences.