Yang Qiao

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EDUCATION

M.Sc. in Computer Technology----Shandong University   Sep. 2021-Present
Supervised by Prof. Xuemeng Song, and co-supervised by Prof. Liqiang Nie.
GPA: 81.16/100
B.E. in Physics----Shandong University   Sep. 2016-June 2020
GPA: 4.11/5

PUBLICATION

Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection.
Yang Qiao, Liqiang Jing, Xuemeng Song, Xiaolin Chen, Lei Zhu, Liqiang Nie. AAAI 2023 (Oral).

PROFESSIONAL EXPERIENCE

Multimodal Sarcasm Detection   Feb. 2022-Present
Team Leader - Comprehensive Involvement in Research Project
- Proposed a jointly model for multi-modal sarcasm detection from both local semantic-guided and global aspects by utilizing mutual enhancement.
- Introduced a novel local semantic-guided incongruity learning module by exploiting IoU scores and knowledge graph ConceptNet5 to extract relations.
- Proposed a simple but effective global incongruity learning module based on the attention mechanism.
- Try to use external knowledge (such as knowledge from COMET) to assist the model in comprehending situations and people's emotions.
- Explore a technique for assessing the relevance of objects extracted from images using FastRCNN to the context of text modalities, with the goal of reducing noise in subsequent inference.

Multimodal summarization   Sep. 2021-June 2022
Team member - Responsible for Research and Data Augmentation
- Researched and studied a wide range of semi-supervised models, multimodal pre-training models, and knowledge distillation methods.
- Took advantage of data augmentation to ensure that the model can generate accurate product summaries even when the input text description changes or is disturbed.

AWARDS & HONORS

Second Class Scholarship, Shandong University	2023
Inspur Social Scholarship	2023
AAAI-2023 Student scholarship	2023
Excellent Graduate, Shandong University	2021
Outstanding student cadre, Shandong University	2018, 2019
Third Class Scholarship, Shandong University	2017, 2019, 2021
The third prize of Shandong Mathematics Contest	2017

SOCIAL &SCHOOL ACTIVITIES

- Invited Reviewers for journals: Information Sciences, IEEE TCSVT.
- Teaching Assistant for Circuitry and Electronics Technology Course, Feb. 2022-June 2022
- Counselor, Shandong University, Oct. 2020-June 2021
- Class Monitor of Physics Class, Shandong University, Oct. 2016-June 2020