Zhen WANG

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Education Background

Delft University of Technology (TU Delft), Netherlands ***Sept.2020 – Now***

Faculty of Electrical Engineering, Mathematics & Computer Science

Master of Computer Science (Artificial Intelligent Track)

- **Current GPA:** 8.0 / 10 (3.8 / 4.0)

Beihang University (BUAA, Project 985 & Project 211), China ***Sept.2014 – Jul.2018***

School of Computer Science and Engineering

Bachelor of Engineering in Computer Science and Technology

- **Cumulative GPA:** 3.37 / 4.0 (83.3 / 100) **Major GPA:** 3.52 / 4.0 (85.3 / 100)
- **Dissertation:** *A LSTM Based Load Balancing Algorithm for Distributed File System.*

Research Experiences

Web Information Systems Group, TU Delft ***Jan.2021 – Now***

Supervisor: *Prof. Geert-Jan Houben & Prof. Jie Yang*

- Aiming at the problem that there is no dataset to do multimodal news classification, we construct a dataset by crawling nearly 200,000 multimodal news from the New York Times, with 15 categories. Each news contains both text and images. Meanwhile, we proposed a multi-task multimode classification model as a baseline for this dataset. Experimental results show that images can significantly enhance the news classification effect. Paper link.
- I am currently working on designing a new knowledge-based VQA dataset that aims to test the ability of modern Pre-trained multimodal models and also try to propose a retrieval-based method to achieve better performance in this task.

Text Intelligence Laboratory, Westlake University (Visiting Student) ***Jun.2021 – Nov.2021***

Supervisor: *Prof. Yue Zhang*

- To solve the problem that currently there is no large-scale dataset for the study of fine-grained causality events pair extraction, we propose a dataset based on the financial analysis reports from financial analysts. Further, we proposed a novel causal QA task based on that. This paper is under review by ACL 2022 Rolling.

Hangzhou Innovation Institute, Beihang University ***Nov.2019 – Dec.2019***

- Responsible for computer vision and autonomous driving-related research. Mainly responsible for collecting 2D image data and point cloud data by using cameras and onboard radar and other equipment, and then use deep learning methods to realize better image segmentation results.

Laboratory of Software Development Environment, Beihang University ***Jun.2016 – Jun.2018***

- Researched a deep learning based load balancing algorithm for Hadoop Distributed File System and the overall efficiency of the system is increased by 18%.

Personal Skills

- **Computer Skills:** Proficient in Java, Python. Hands-on experience in Website, Database, Smartphone App, Hadoop, Computer Vision, CUDA and Linux.
- **Interesting Field:** Deep Learning, Natural Language Processing, Information Retrieval, Web, Database, Distribution System.