

WEI HAN

✉ wei_han@mymail.sutd.edu.sg · ☎ (+65) 8652-9642 · 🌐 Clement25 · in Wei Han

🎓 EDUCATION

Singapore University of Technology and Design (SUTD)

Singapore

Ph.D. in Information Systems and Technology Design (ISTD)

Sep 2020 – Present

Advisor: Soujanya Poria

The Hong Kong University of Science and Technology (HKUST)

Hong Kong SAR, China

M.Phil. in Electronic and Computer Engineering

Aug 2018 – Aug 2020

Advisor: Wei Zhang

Zhejiang University (ZJU)

Zhejiang, China

B.S. in Electronics and Information Engineering, Chu Kochen Honors College

Aug 2014 – Jun 2018

GPA: 3.90/4.00, ranking top 2%

📖 PUBLICATIONS

1. **Wei Han**, Hui Chen, Min-Yen Kan, Soujanya Poria, “MM-Align: Learning Optimal Transport-based Alignment Dynamics for Fast and Accurate Inference on Missing Modality Sequences”, *The Conference on Empirical Methods in Natural Language Processing (EMNLP), Long Paper*, 2022. [[paper](#)] [[code](#)]
2. **Wei Han**, Hui Chen, Zhen Hai, Soujanya Poria, Lidong Bing, “SANCL: Multimodal Review Helpfulness Prediction with Selective Attention and Natural Contrastive Learning”, *International Conference on Computational Linguistics (COLING), Long Paper*, 2022. [[paper](#)] [[code](#)]
3. **Wei Han**, Hui Chen, Soujanya Poria, “Improving Multimodal Fusion with Hierarchical Mutual Information Maximization for Multimodal Sentiment Analysis”, *The Conference on Empirical Methods in Natural Language Processing (EMNLP), Long Paper*, 2021. [[paper](#)] [[code](#)]
4. **Wei Han**, Hui Chen, Alexander Gelbukh, Amir Zadeh, Louis-philippe Morency, Soujanya Poria, “Bi-Bimodal Modality Fusion for Correlation-Controlled Multimodal Sentiment Analysis”, *ACM International Conference on Multimodal Interaction (ICMI)*, 2021. **Best Paper Nomination**. [[paper](#)] [[code](#)]
5. Hui Chen, **Wei Han**, Soujanya Poria, “SAT: Improving Semi-Supervised Text Classification with Simple Instance-Adaptive Self-Training”, *Findings of the Conference on Empirical Methods in Natural Language Processing (EMNLP Findings)*, 2022. [[paper](#)] [[code](#)]
6. Hui Chen, **Wei Han**, Diyi Yang, Soujanya Poria, “DoubleMix: Simple Interpolation-Based Data Augmentation for Text Classification”, *International Conference on Computational Linguistics (COLING), Long Paper*, 2022.
7. Hui Chen, Pengfei Hong, **Wei Han**, Navonil Majumder, and Soujanya Poria. “Dialogue Relation Extraction with Document-level Heterogeneous Graph Attention Networks”, *Cognitive Computation*, 2023. [[paper](#)] [[code](#)]
8. Yujie Lu, Yingxuan Huang, Shengyu Zhang, **Wei Han**, Hui Chen, Zhou Zhao, Fei Wu. “Multi-trends Enhanced Dynamic Micro-video Recommendation”, *CICAI*, 2023. [[paper](#)]

📖 PREPRINTS

1. **Wei Han**, Hui Chen, Min-Yen Kan, Soujanya Poria. “Self-Adaptive Sampling for Efficient Video Question-Answering”, *arXiv preprint.*, 2023. [[paper](#)] [[code](#)]
2. **Wei Han**, Hui Chen, Soujanya Poria. “LLM Knows VLM Best: Boost Multimodal Instruction Tuning with LLM-based Instruction Augmentation”, *in submission*
3. **Wei Han**, Shamil Chollampatt, Marco Turchi. “SEGNI: Exploiting Multimodal Monotonic and Non-Monotonic Temporal Correlation for Better Sign Language Production”, *in submission*

WORK EXPERIENCE

- Alibaba DAMO Academy, Singapore, *Research Intern* Aug. 2021—Feb. 2022
- Zoom Corporation, Singapore, *Research Intern* Aug. 2022—Feb. 2023

SKILLS

- Programming Languages: Python > MATLAB == C++
- Deep Learning Framework: PyTorch » Tensorflow

HONORS AND AWARDS

SUTD Ph.D. Fellowship	2020 – Present
Postgraduate Studentship in HKUST	2018 – 2020
3 rd Class Scholarship for Outstanding Students	2017
Provincial Government Scholarship of Zhejiang Province	2016
3 rd Class in the Programming Contest in Zhejiang University	2016
1 st Class Scholarship for Academic Achievements	2015, 2016
1 st Class Scholarship for Academic Achievements	2015, 2016
3 rd Class in the Chinese National College Student Mathematical Competition	2015