

# WEI HAN (HENRY)

✉ wei\_han@mymail.sutd.edu.sg · 🌐 Github · in LinkedIn · G Google Scholar · 🏠 Homepage

## 🎓 EDUCATION

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### 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

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1. **Wei Han**, Hui Chen, Min-Yen Kan, Soujanya Poria. “Self-Adaptive Sampling for Efficient Video Question-Answering”, *Findings of the Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (HLT-NAACL), Long Paper*, 2024 [\[paper\]](#) [\[code\]](#)
2. **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 [\[paper\]](#) [\[code\]](#)
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), Short Paper*, 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. **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. [\[paper\]](#) [\[code\]](#)
8. Hui Chen, Pengfei Hong, **Wei Han**, Navonil Majumder, and Soujanya Poria. “Dialogue Relation Extraction with Document-level Heterogeneous Graph Attention Networks”, *Cognitive Computation*, 2023. [\[paper\]](#) [\[code\]](#)
9. 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

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1. **Wei Han**, Hui Chen, Soujanya Poria. “InstrAug: Automatic Instruction Augmentation for Multimodal Instruction Fine-tuning”, *arxiv preprint*. [\[paper\]](#)
2. **Wei Han**, Soujanya Poria. “PREMISE: Matching-based Prediction for Accurate Review Recommendation”, *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

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

## SKILLS

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

## HONORS AND AWARDS

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