






JEN-TSE HUANG

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EDUCATION

The Chinese University of Hong Kong

Aug. 2020 - Present

Ph.D. in Computer Science

- A member of Automated Reliable Intelligent Software Engineering (ARISE) Lab
- Supervised by Prof. Michael R. Lyu

Peking University

Sep. 2015 - Jun. 2019

B.Sc. in Computer Science

- A member of Yuanpei College

WORK EXPERIENCE

Tencent AI Lab, Shenzhen

Mar. 2022 - Present

Research Intern

- Supervisor: Dr. Wenxiang Jiao and Dr. Zhaopeng Tu
- Research Topic: Evaluation of Large Language Models

CSE Dept., The Chinese University of Hong Kong, Hong Kong

Feb. 2020 - Jul. 2020

Research Assistant

- Supervisor: Prof. Michael R. Lyu
- Research Topic: Interpretability, Reliability and Robustness in Deep Learning Models

SenseTime Research, Beijing

Feb. 2018 - Jun. 2019

Research Intern

- Supervisors: Dr. Chen Qian and Prof. Bolei Zhou
- Research Topics: Pose Estimation; Interpretability in Generative algorithms

PUBLICATIONS

1. Wenxiang Jiao, **Jen-tse Huang**, Wenxuan Wang, Zhiwei He, Tian Liang, Xing Wang, Shuming Shi, Zhaopeng Tu. ParrotT: Translating During Chat Using Large Language Models. *Findings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. 2023.
2. Wenxuan Wang, Jingyuan Huang, **Jen-tse Huang**, Chang Chen, Jiazhen Gu, Pinjia He, Michael R. Lyu. An Image is Worth a Thousand Toxic Words: A Metamorphic Testing Framework for Content Moderation Software. *Proceedings of the 38th IEEE/ACM International Conference on Automated Software Engineering (ASE)*. 2023
3. Wenxiang Jiao, Wenxuan Wang, **Jen-tse Huang**, Xing Wang, Zhaopeng Tu. Is ChatGPT A Good Translator? Yes With GPT-4 As The Engine. *arXiv*. 2023.
4. Jianping Zhang, **Jen-tse Huang**, Wenxuan Wang, Yichen Li, Weibin Wu, Xiaosen Wang, Yuxin Su, Michael Lyu. MTTM: Improving the Transferability of Adversarial Samples by Path-Augmented Method. *In proceedings of the 2023 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. 2023.
5. Wenxuan Wang, **Jen-tse Huang**, Weibin Wu, Jianping Zhang, Yizhan Huang, Shuqing Li, Pinjia He, Michael R. Lyu. MTTM: Metamorphic Testing for Textual Content Moderation Software. *In proceedings of the 45th International Conference on Software Engineering (ICSE)*. 2023.
6. Wenxiang Jiao, Zhaopeng Tu, Jiarui Li, Wenxuan Wang, **Jen-tse Huang**, Shuming Shi. Tencent's Multilingual Machine Translation System for WMT22 Large-Scale African Languages. *In proceedings of the EMNLP 2022 - 7th Conference on Machine Translation (WMT)*. 2022.
7. **Jen-tse Huang**, Jianping Zhang, Wenxuan Wang, Pinjia He, Yuxin Su, Michael R. Lyu. AEON: A Method for Automatic Evaluation of NLP Test Cases. *In proceedings of the 31st ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA)*. 2022.

8. Jianping Zhang, Weibin Wu, **Jen-tse Huang**, Yizhan Huang, Wenxuan Wang, Yuxin Su, Michael R. Lyu. Improving Adversarial Transferability via Neuron Attribution-Based Attacks. *In proceedings of the 2022 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. 2022.

AWARD

1. **Postgraduate Studentship**, The Chinese University of Hong Kong 2020 - 2024
2. **Scholarship for Hong Kong, Macao, Taiwan and Overseas Chinese**, Peking University 2018

SERVICE

1. **Reviewer**, ACL, EMNLP, Neurocomputing 2023
2. **Teaching Assistant**, Software Engineering (CSCI3100) in CUHK 2021, 2022
3. **Teaching Assistant**, Discrete Math for Engineers (ENGG2440A) in CUHK 2020