






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 Holdings Ltd., Shenzhen

Mar. 2022 - Present

Research Intern

- Supervisor: Dr. Wenxiang Jiao and Dr. Zhaopeng Tu
- Research Topic: Robustness issues in Multilingual NLP 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 and Robustness in Deep Learning Models

SenseTime Group Inc., 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. 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.
2. 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.
3. **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.
4. 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. **Teaching Assistant**, Software Engineering (CSCI3100) in CUHK 2021, 2022
2. **Teaching Assistant**, Discrete Math for Engineers (ENGG2440A) in CUHK 2020