









# JEN-TSE HUANG

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## EDUCATION

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Ph.D. in Computer Science, The Chinese University of Hong Kong	Aug. 2020 - Jul. 2024
B.Sc. in Computer Science, Peking University	Sep. 2015 - Jul. 2019

## EXPERIENCE



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Research Intern, Tencent AI Lab, Shenzhen	Mar. 2022 - Oct. 2023
Research Assistant, The Chinese University of Hong Kong, Hong Kong	Feb. 2020 - Jul. 2020
Research Intern, SenseTime Research, Beijing	Feb. 2018 - Jun. 2019

## PUBLICATIONS

\* equal contribution     corresponding author

- [12] Wenxuan Wang, Wenxiang Jiao, Jingyuan Huang, Ruyi Dai, **Jen-tse Huang** , Zhaopeng Tu, Michael R. Lyu, 2023. Not All Countries Celebrate Thanksgiving: On the Cultural Dominance in Large Language Models. In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. (ACL'24)
- [11] Xintao Wang, Yunze Xiao, **Jen-tse Huang**, Siyu Yuan, Rui Xu, Haoran Guo, Quan Tu, Yaying Fei, Ziang Leng, Cheng Li, Jiangjie Chen, Wei Wang, Yanghua Xiao , 2023. INCHARACTER: Evaluating Personality Fidelity in Role-Playing Agents through Psychological Interviews. In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*. (ACL'24)
- [10] Wenxuan Wang, Zhaopeng Tu, Chang Chen, Youliang Yuan, **Jen-tse Huang** , Wenxiang Jiao, Michael R. Lyu, 2023. All Languages Matter: On the Multilingual Safety of Large Language Models. In *Findings of the Association for Computational Linguistics: ACL 2024*. (ACL Findings'24)
- [9] **Jen-tse Huang**, Wenxuan Wang, Eric John Li, Man Ho Lam, Shujie Ren, Youliang Yuan, Wenxiang Jiao , Zhaopeng Tu, Michael R. Lyu, 2024. On the Humanity of Conversational AI: Evaluating the Psychological Portrayal of LLMs. In *Proceedings of the Twelfth International Conference on Learning Representations*. (ICLR'24) [Oral Presentation (85/7304, 1.16%)]
- [8] Youliang Yuan, Wenxiang Jiao, Wenxuan Wang, **Jen-tse Huang**, Pinjia He , Shuming Shi, Zhaopeng Tu, 2024. GPT-4 Is Too Smart To Be Safe: Stealthy Chat with LLMs via Cipher. In *Proceedings of the Twelfth International Conference on Learning Representations*. (ICLR'24)
- [7] Wenxiang Jiao , **Jen-tse Huang**, Wenxuan Wang, Zhiwei He, Tian Liang, Xing Wang, Shuming Shi, Zhaopeng Tu, 2023. ParrotT: Translating During Chat Using Large Language Models tuned with Human Translation and Feedback. In *Findings of the Association for Computational Linguistics: EMNLP 2023*. pp. 15009-15020. (EMNLP Findings'23)
- [6] Wenxuan Wang, Jingyuan Huang, **Jen-tse Huang**, Chang Chen, Jiazhen Gu , Pinjia He, Michael R. Lyu, 2023. An Image is Worth a Thousand Toxic Words: A Metamorphic Testing Framework for Content Moderation Software. In *2023 38th IEEE/ACM International Conference on Automated Software Engineering*. pp. 1339-1351. (ASE'23)
- [5] Jianping Zhang, **Jen-tse Huang**, Wenxuan Wang, Yichen Li, Weibin Wu , Xiaosen Wang, Yuxin Su, Michael Lyu, 2023. Improving the Transferability of Adversarial Samples by Path-Augmented Method. In *2023 IEEE/CVF Conference on Computer Vision and Pattern Recognition*. pp. 8173-8182. (CVPR'23)
- [4] Wenxuan Wang, **Jen-tse Huang**, Weibin Wu, Jianping Zhang, Yizhan Huang, Shuqing Li, Pinjia He , Michael R. Lyu, 2023. MTTM: Metamorphic Testing for Textual Content Moderation Software. In *2023 IEEE/ACM 45th International Conference on Software Engineering*. pp. 2387-2399. (ICSE'23)

- [3] Wenxiang Jiao, Zhaopeng Tu, Jiarui Li, Wenxuan Wang, **Jen-tse Huang**, Shuming Shi, 2022. Tencent’s Multilingual Machine Translation System for WMT22 Large-Scale African Languages. In *Proceedings of the Seventh Conference on Machine Translation*. pp. 1049–1056. (WMT’22)
- [2] **Jen-tse Huang**, Jianping Zhang, Wenxuan Wang, Pinjia He , Yuxin Su, Michael R. Lyu, 2022. AEON: A Method for Automatic Evaluation of NLP Test Cases. In *Proceedings of the 31st ACM SIGSOFT International Symposium on Software Testing and Analysis*. pp. 202–214. (ISSTA’22)
- [1] Jianping Zhang, Weibin Wu , **Jen-tse Huang**, Yizhan Huang, Wenxuan Wang, Yuxin Su, Michael R. Lyu, 2022. Improving Adversarial Transferability via Neuron Attribution-Based Attacks. In *2022 IEEE/CVF Conference on Computer Vision and Pattern Recognition*. pp. 14973–14982. (CVPR’22)

## PREPRINTS

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- [10] **Jen-tse Huang**, Eric John Li, Man Ho Lam, Tian Liang, Wenxuan Wang, Youliang Yuan, Wenxiang Jiao , Xing Wang, Zhaopeng Tu, Michael R. Lyu, 2024. How Far Are We on the Decision-Making of LLMs? Evaluating LLMs’ Gaming Ability in Multi-Agent Environments. *arXiv Preprint: 2403.11807*.
- [9] **Jen-tse Huang**, Man Ho Lam, Eric John Li, Shujie Ren, Wenxuan Wang, Wenxiang Jiao , Zhaopeng Tu, Michael R. Lyu, 2023. Emotionally Numb or Empathetic? Evaluating How LLMs Feel Using EmotionBench. *arXiv Preprint: 2308.03656*.
- [8] **Jen-tse Huang**, Wenxuan Wang , Man Ho Lam, Eric John Li, Wenxiang Jiao, Michael R. Lyu, 2023. Revisiting the Reliability of Psychological Scales on Large Language Models. *arXiv Preprint: 2305.19926*.
- [7] Tian Liang, Zhiwei He, **Jen-tse Huang**, Wenxuan Wang, Wenxiang Jiao , Rui Wang, Yujiu Yang , Zhaopeng Tu, Shuming Shi, Xing Wang , 2023. Leveraging Word Guessing Games to Assess the Intelligence of Large Language Models. *arXiv Preprints: 2310.20499*.
- [6] Man Tik Ng \*, Hui Tung Tse \*, **Jen-tse Huang** , Jingjing Li, Wenxuan Wang, Michael R. Lyu, 2024. How Well Can LLMs Echo Us? Evaluating AI Chatbots’ Role-Play Ability with ECHO. *arXiv Preprint: 2404.13957*.
- [5] Cheryl Lee, Chunqiu Steven Xia, **Jen-tse Huang**, Zhouruixin Zhu, Lingming Zhang, Michael R. Lyu, 2024. A Unified Debugging Approach via LLM-Based Multi-Agent Synergy. *arXiv Preprint: 2404.17153*.
- [4] Yuxuan Wan \*, Wenxuan Wang \*, Wenxiang Jiao, Yiliu Yang, Youliang Yuan, **Jen-tse Huang**, Pinjia He, Michael R. Lyu, 2024.  $A \wedge B \Leftrightarrow B \wedge A$ : Triggering Logical Reasoning Failures in Large Language Models. *arXiv Preprint: 2401.00757*.
- [3] Wenxuan Wang \*, Juluan Shi \*, Zhaopeng Tu, Youliang Yuan, **Jen-tse Huang**, Wenxiang Jiao, Michael R. Lyu, 2024. The Earth is Flat? Unveiling Factual Errors in Large Language Models. *arXiv Preprint: 2401.00761*.
- [2] Wenxuan Wang, Haonan Bai, Yuxuan Wan, **Jen-tse Huang**, Youliang Yuan, Haoyi Qiu, Nanyun Peng, Michael R. Lyu, 2024. New Job, New Gender? Measuring the Social Bias in Image Generation Models. *arXiv Preprint: 2401.00763*.
- [1] Wenxiang Jiao , Wenxuan Wang, **Jen-tse Huang**, Xing Wang, Shuming Shi, Zhaopeng Tu, 2023. Is ChatGPT A Good Translator? Yes With GPT-4 As The Engine. *arXiv Preprints: 2301.08745*.

## SERVICE

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- Conference Reviewer: CVPR’24, ACL’23, EMNLP’23
- Teaching Assistant: Software Engineering (CSCI3100) in CUHK 2021, 2022
- Teaching Assistant: Discrete Math for Engineers (ENGG2440A) in CUHK 2020