ZECHENG TANG

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🎓 EDUCATION & EXPERIENCE

StepFun, Step-Video (Sora) Team   May 2024 – Sep 2024
Research Intern   Mentor: Chenfei Wu and Nan Duan

Microsoft Research Asia (MSRA), NLC Group, NUWA Team   Jan 2023 – Feb 2024
Research Intern   Mentor: Chenfei Wu and Nan Duan

Soochow University, Computer Science (CS)   Sep 2022 – Present
Ph.D. Student   Advisor: Assoc. Prof. Juntao Li and Prof. Min Zhang

Soochow University, Software Engineering (SE)   Sep 2018 – Jun 2022
Bachelor student   Outstanding & Honorary Graduate Student (Rank 1 / 380), Huawei Scholarship (Top 5%)

📑 SELECTED PUBLICATIONS   * DENOTES EQUAL CONTRIBUTION

Please visit my Homepage or Google Scholar to check all my publications.

● (SCIS, CCF-A, Journal) OpenBA: An Open-Sourced 15B Bilingual Asymmetric Seq2Seq Model Pre-trained from Scratch | Juntao Li*, Zecheng Tang*, Yuyang Ding*, Pinzheng Wang*, Pei Guo, Wangjie You, et al.

● (EMNLP 2024) CMD: a framework for Context-aware Model self-Detoxification | Zecheng Tang, Keyan Zhou, Juntao Li, Yuyang Ding, Pinzheng Wang, Bowen Yan, Renjie Hua, Min Zhang

● (ICML 2024) StrokeNUWA: Tokenizing Strokes for Vector Graphic Synthesis | Zecheng Tang, Chenfei Wu, Zekai Zhang, Mingheng Ni, Shengming Yin, Yu Liu, Zhengyuan Yang, Lijuan Wang, Zicheng Liu, Juntao Li, Nan Duan

● (ICLR 2024) LayoutNUWA: Revealing the Hidden Layout Expertise of Large Language Models | Zecheng Tang, Chenfei Wu, Juntao Li, Nan Duan

● (WSDM 2024) Chinese Spelling Check, Datasets, Chinese Mobile Search Engine | Yue Wang, Zilong Zheng, Zecheng Tang, Juntao Li, Zhihui Liu, Kunlong Chen, Jinxiong Chang, Qishen Zhang, Zhongyi Liu, Min Zhang

● (ACL 2023) Open-ended Long Text Generation via Masked Language Modeling | Xiaobo Liang*, Zecheng Tang*, Juntao Li, Min Zhang

● (EMNLP2022) Improving Temporal Generalization of Pre-trained Language Models with Lexical Semantic Change | Zhaochen Su*, Zecheng Tang*, Xinyan Guan, Lijun Wu, Min Zhang, Juntao Li

📑 SELECTED PREPRINT PUBLICATIONS   * DENOTES EQUAL CONTRIBUTION

Due to limited space, please visit my Homepage/Google Scholar for new publications/projects.

● (Oct 2024 Preprint) L-CiteEval: Do Long-Context Models Truly Leverage Context for Responding? | Zecheng Tang, Keyan Zhou, Juntao Li, Baibei Ji, Jianye Hou, Min Zhang

● (Mar 2023 Preprint) Visual ChatGPT: Talking, Drawing and Editing with Visual Foundation Models | Chenfei Wu, Shengming Yin, Weizhen Qi, Xiaodong Wang, Zecheng Tang, Nan Duan

⚙ SELECTED PROJECTS

● **TaskMatrix (Visual ChatGPT)**: Connecting ChatGPT and a series of Visual Foundation Models to enable sending and receiving images during chatting. | Github Stars: 35K+

● **LayoutNUWA**: Treating layout generation as a code generation task and effectively utilizes the inherent layout expertise of LLMs to enhance the performance of layout generation significantly. | Github Stars: 132

● **OpenBA**-series: The open-sourcing of 15B bilingual asymmetric seq2seq model for its entire training process, data sources, collection, and construction. | Total Github Stars: 94 + 23