

Zhexin Zhang

+86 18810058042 | zx-zhang22@mails.tsinghua.edu.cn
Webpage: <https://nonstopfor.github.io/>



EDUCATION

Tsinghua University Ph.D. Student, Department of Computer Science and Technology CoAI Group, advised by Prof. Minlie Huang.	Sep 2022 - Jun 2027
Tsinghua University B.Eng., Department of Computer Science and Technology GPA: 3.90/4.00 (Top 6%)	Sep 2018 - Jun 2022

PUBLICATIONS

AI SafetyLab: A Comprehensive Framework for AI Safety Evaluation and Improvement - Will be submitted to ACL Demo. First author. - A comprehensive framework and toolkit covering various safety attack, defense and evaluation methods.	Sep 2024 - Jan 2025
Agent-SafetyBench: Evaluating the Safety of LLM Agents - Submitted to ACL ARR. First author. - A comprehensive agent safety evaluation benchmark which incorporates 349 interaction environments.	Aug 2024 - Dec 2024
Safe Unlearning: A Surprisingly Effective and Generalizable Solution to Defend Against Jailbreak Attacks - Will be submitted to ICML. First author. - Identifying and analyzing the surprising generalization ability of unlearning to defend against jailbreak attacks.	May 2024 - Jan 2025
ShieldLM: Empowering LLMs as Aligned, Customizable and Explainable Safety Detectors - Findings of EMNLP 2024. First author. - The first specialized safety detector that supports fine-grained safety rules. It has been downloaded for more than 40K times on Huggingface.	Nov 2023 - Jun 2024
Defending Large Language Models Against Jailbreaking Attacks Through Goal Prioritization - ACL 2024. First author. Has been cited 80 times on Semantic Scholar. - Implementing goal (safety and helpfulness) prioritization to defend against jailbreak attacks.	Oct 2023 - Feb 2024
SafetyBench: Evaluating the Safety of Large Language Models - ACL 2024. First author. Has been cited 116 times on Google Scholar. - The first comprehensive LLM safety evaluation benchmark based on multiple-choice questions. It has been integrated into SuperBench and OpenCompass. We have received more than 4K test requests.	Jun 2023 - Oct 2023
InstructSafety: A Unified Framework for Building Multidimensional and Explainable Safety Detector through Instruction Tuning - Findings of EMNLP 2023. First author. - Propose a unified safety detection framework based on instruction tuning.	Jan 2023 - May 2023
Ethicist: Targeted Training Data Extraction Through Loss Smoothed Soft Prompting and Calibrated Confidence Estimation - ACL 2023 (Oral). First author. - Achieves the SOTA performance on the targeted training data extraction task.	Aug 2022 - Nov 2022
Constructing Highly Inductive Contexts for Dialogue Safety through Controllable Reverse Generation - Findings of EMNLP 2022. First author. - Automatically construct contexts that can induce unsafe responses through reserve generation.	Jan 2022 - Jun 2022

HONORS & AWARDS

Top 40 Global Finalist of the Baidu Scholarship	2024
National Scholarship, Dept. CST, Tsinghua University	2024
Third place, Global Challenge for Safe and Secure LLMs	2024
Samsung Scholarship, Dept. CST, Tsinghua University	2023
Excellent Graduate, Tsinghua University	2022
Outstanding Graduate, Dept. CST, Tsinghua University	2022
Third place (3/3665), WeChat Big Data Challenge Finals	2022
Sixth place (6/1000+), Global AI Innovation Contest Finals	2022
Second place (2/5000+), Global AI Innovation Contest Finals	2021
Academic Excellence Scholarship, Dept. CST, Tsinghua University	2020, 2021
Meritorious Winner (<10%), The Mathematics Contest in Modeling	2020