ExRAIL (Exploratory Reliable AI Lab)

Lab members and achievements

Sihong Xie
Associate Professor
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Biography: Dr. Xie held the position of Assistant Professor from 2016 to 2023 and tenured Associate Professor starting from 2023 at the Computer Science and Engineering Department of Lehigh University in USA. Dr. Xie received his Ph.D. in 2016 from the Department of Computer Science at the University of Illinois at Chicago (advised by Philip Yu, ACM/IEEE Fellow). From 2019 to 2022, he received over 1 million USD in grants from National Science Foundation (NSF) in the US. He is exploring the foundations, techniques, and applications of reliable AI, with from the perspectives of explainability, uncertainty, and robustness. Dr. Xie has published over 70 papers in major AI conferences, such as NeurIPS, ICLR, KDD, UAI, ICDM, WWW, AAAI, IJCAI, and TKDE, with over 2,700 citations and an h-index of 20. He has served as an NSF panelist, senior PC or area chair for AAAI and WWW, and PC member for conferences such as NeurIPS, ICML, ICLR, AISTAT, KDD, WWW, AAAI, ICDM, and SIGIR, a reviewer for TPAMI and TKDE, an organizer for the KDD TrueFact/MIS2-TrueFact Workshops. Dr. Xie's research is recognized via the NSF CAREER Award (2022) and the Tencent Rihno-Bird in 2024. In 2024, he is recognized as excellent youth scholar on the national, Guangdong provincial, and Guangzhou municipal levels. He is serving as an executive committee member of CCF-AI, CCF-BigData, ACM SIGSPATIAL China, and CIPS.

Rui Xu
Bachelor from University of Pittsburgh and Sichuan University. Master from UC Berkeley.
Research Interest: Uncertainty quantification.

Yazheng Liu
Bachelor & Master from Beijing University of Posts & Telecommunications. Published on ICLR.
Research Interest: Explaining graph neural networks on dynamic graphs.

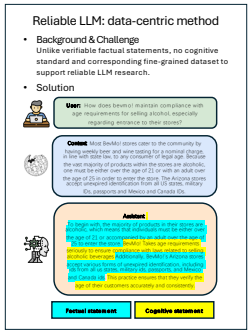
Xiaqiang Tang
Master from Tongji University. Interned at Tencent AI Lab.
Research Interest: Trustworthy LLMs using data-centric and model alignment approaches.

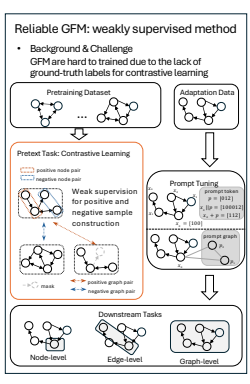
Jiujiu Chen
Master from UESTC, Published on NeurIPS.
Interned at Tencent and HUAWEI.
Research Interest: graph foundation model in finance.

Rufeng Chen
Master from Hangzhou Dianzi University, published on AAAI, NIPS.
Research interest: Safe Reinforcement Learning and generative models.

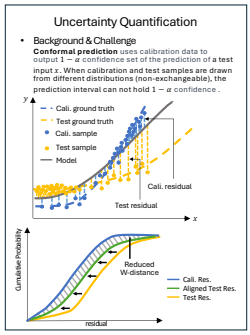
Zhaofan Zhang
Master from the University of Macau, published on AAAI.
Research Interest: safe decision-making under uncertainty for robotics.

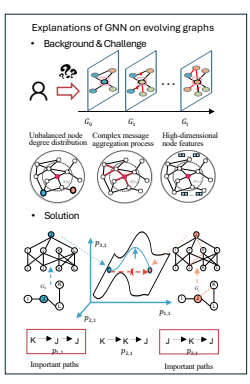
Reliable Foundation Model



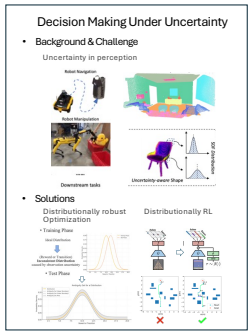


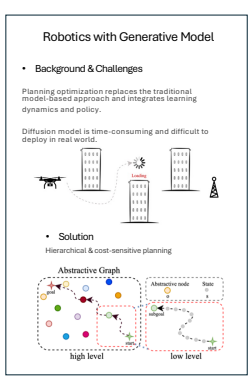
Reliable AI foundation



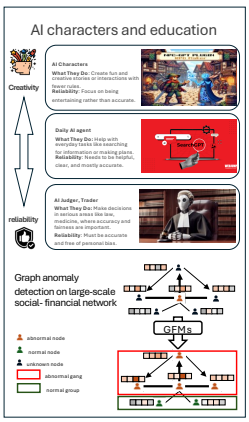


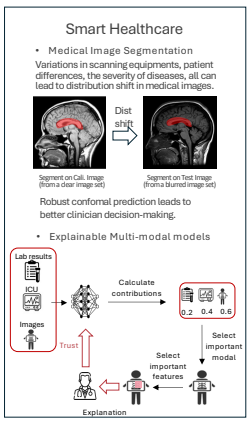
Reliable Agent & Robotics





Applications





Collaborators

HUAWEI CLOUD · China unicom 中国联通 · UIC UNIVERSITY OF ILLINOIS CHICAGO · LEHIGH UNIVERSITY

Welcome to join ExRAIL

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