

Jundong Xu

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EDUCATION

National University of Singapore (NUS)

Master of Computing

Singapore

Jan. 2023 – Dec 2024

University College London (UCL)

BSc Information Management for Business First Class Honours

London, UK

Sept. 2019 – Jun. 2022

PUBLICATION

- **Jundong X.**, Hao F., Liangming P., Qian L., Mong-Li L., Wynne H. 2024. Faithful Logical Reasoning via Symbolic Chain-of-Thought. In Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (**ACL 2024**), Main Conference (Accepted)
- **Jundong X.**, Hao F., Meng L., Qian L., Liangming P., William Yang W., Preslav N., Mong-Li L., Wynne H. 2024. Aristotle: Mastering Logical Reasoning with A Logic-Complete Decompose-Search-Resolve Framework. (Currently under review with positive feedback from ACL Rolling Review)
- Hao F., Meng L., **Jundong X.**, Shengqiong W., Wei J., Mong-Li L., Wynne H. Fine-grained Structural Hallucination Detection for Unified Visual Comprehension and Generation in Multimodal LLM. **ACM MM Workshop 2024 Oral** (Accepted)

ACADEMIC ACTIVITIES

- Reviewer for **ICLR**, **ACM MM**, **Neurocomputing**, and **NLPCC** in 2024.

RESEARCH EXPERIENCE

Center for Trusted Internet and Community, NUS

Research Student

Oct 2023 – Present

Singapore

- Conduct comprehensive research on existing studies to understand the current state of the art and pinpoint shortcomings in AI reasoning
- Propose innovative solutions to address the identified limitations in existing work
- Design and conduct experiments, followed by thorough analysis of the resulting data
- Compose high-quality research papers to present findings
- Developed and open-sourced relevant codebase improving LLM's logical reasoning ability, **achieving over 150 stars on GitHub**

Zhangyue NLP Lab, Westlake University

Research Assistance

Jul. 2023 – Oct 2023

Hangzhou, China

- Spearheaded research on the robustness of Large Language Models (LLM) in the face of prompt attacks.
- Designed and implemented custom code to generate self-instructed data, leveraging supervised fine-tuning techniques to enhance LLM's (Llama) resilience against prompt attacks.
- Conducted experiments to collect and preprocess data to elucidate the model's robustness behavior.
- Engaged in the analysis phase, focusing on deriving insights from experiments and coding work.

PROFESSIONAL EXPERIENCE

Media Group

Data Application Engineer Intern

Apr. 2021 – Aug. 2021

Foshan, China

- Conducted thorough research to position customer needs by analyzing data and provided 10+ data-informed technical solutions to relevant business departments, aligning with stakeholders' requirements with agile.
- Developed several strategies for data collection to gain users' behavior patterns
- Engaged in the entire process of product development and robotics process automation, boosting efficiency by 20%

AIA Information Technology

Data Analyst Intern

Aug. 2020 – Dec 2020

Guangzhou, China

- Monitored the ETL project progress, actively engaged with relevant colleagues and senior managers, and accurately delivered tasks to managers and clients
- Evaluated the technical performance of the ETL pipeline using Excel (Macro, PivotTable), completed data cleaning and visualization through Python, and delivered 10+ BI reports
- Assisted in setting up and testing the feasibility of the SQL database

SKILLS

Skills: Python, Linux, Latex, Excel, etc.