SEN YANG

⋄ senyang.stu@gmail.com ⋄ +86 15771715595 ⋄ https://ringos.github.io/

EDUCATION

The Chinese University of Hong Kong   *Aug 2022 - Jul 2026 (expected)*

- PhD Candidate, Department of Systems Engineering and Engineering Management
  Supervisor: Prof. Wai Lam

Xi'an Jiaotong University   *Sep 2013 - Jun 2019*

- B.Eng. in Automation, School of Electronic and Information Engineering
  Honors Youth Program, Qian Xuesen College

RESEARCH PAPERS

(* indicates equal contribution.)

Preprints:

[1] Multi-LLM Collaborative Search for Complex Problem Solving
- **Sen Yang**, Yafu Li, Wai Lam, Yu Cheng
- Submitted to *ICML 2025*
- Links: [Paper]

[2] LoGU: Long-form Generation with Uncertainty Expressions
- Ruihan Yang, Caiqi Zhang, Zhisong Zhang, Xinting Huang, **Sen Yang**, Nigel Collier, Dong Yu, Deqing Yang
- Links: [Paper]

[3] Atomic Calibration of LLMs in Long-Form Generations
- Caiqi Zhang, Ruihan Yang, Zhisong Zhang, Xinting Huang, **Sen Yang**, Dong Yu, Nigel Collier
- Links: [Paper]

[4] Do Prompts Solve NLP Tasks Using Natural Language?
- **Sen Yang***, Yunchen Zhang*, Leyang Cui and Yue Zhang
- *arXiv preprint 2022*
- Links: [Paper]

Publications:

[1] Neuro-Symbolic Integration Brings Causal and Reliable Reasoning Proofs
- **Sen Yang**, Xin Li, Leyang Cui, Lidong Bing, Wai Lam
- *NAACL 2025 (Findings)*
- Links: [Paper] [Code]

[2] Not All Preference Pairs Are Created Equal: A Recipe for Annotation-Efficient Iterative Preference Learning
- **Sen Yang**, Leyang Cui, Deng Cai, Xinting Huang, Shuming Shi, Wai Lam
- *EMNLP 2024 (Findings)*
- Links: [Paper]

[3] SeaLLMs – Large Language Models for Southeast Asia
- Xuan-Phi Nguyen*, Wenxuan Zhang*, Xin Li*, Mahani Aljunied*, Qingyu Tan, Liying Cheng, Guanzheng Chen, Yue Deng, **Sen Yang**, Chaoqun Liu, Hang Zhang, Lidong Bing

- ○ *ACL 2024: System Demonstrations*
- ○ Links: [Paper] [Code] [Demo]

[4] Once Upon a *Time* in *Graph*: Relative-Time Pretraining for Complex Temporal Reasoning
- ○ **Sen Yang**, Xin Li, Lidong Bing and Wai Lam
- ○ *EMNLP 2023*
- ○ Links: [Paper] [Code]

[5] Enhancing Grammatical Error Correction Systems with Explanations
- ○ Yuejiao Fei, Leyang Cui, **Sen Yang**, Wai Lam, Zhenzhong Lan and Shuming Shi
- ○ *ACL 2023*
- ○ Links: [Paper] [Dataset]

[6] Cross-domain Generalization for AMR Parsing
- ○ Xuefeng Bai, **Sen Yang**, Leyang Cui, Linfeng Song and Yue Zhang
- ○ *EMNLP 2022*
- ○ Links: [Paper] [Code]

[7] Challenges to Open-Domain Constituency Parsing
- ○ **Sen Yang**, Leyang Cui, Ruoxi Ning, Di Wu and Yue Zhang
- ○ *ACL 2022 (Findings)*
- ○ Links: [Paper] [Dataset]

[8] Investigating Non-local Features for Neural Constituency Parsing
- ○ Leyang Cui*, **Sen Yang*** and Yue Zhang
- ○ *ACL 2022*
- ○ Links: [Paper] [Code]

[9] Template-Based Named Entity Recognition Using BART
- ○ Leyang Cui, Yu Wu, Jian Liu, **Sen Yang** and Yue Zhang
- ○ *ACL 2021 (Findings)*
- ○ Links: [Paper] [Code]

[10] Making the Best Use of Review Summary for Sentiment Analysis
- ○ **Sen Yang***, Leyang Cui*, Jun Xie and Yue Zhang
- ○ *COLING 2020*
- ○ Links: [Paper] [Code]

[11] What Have We Achieved on Text Summarization?
- ○ Dandan Huang*, Leyang Cui*, **Sen Yang***, Guangsheng Bao, Kun Wang, Jun Xie and Yue Zhang
- ○ *EMNLP 2020*
- ○ Links: [Paper] [Code & Data]

EXPERIENCE

Shanghai AI Laboratory   *Oct 2024 - Feb 2025*

- ○ Research intern, mentored by Dr. Yafu Li and Prof. Yu Cheng
- ○ Focus: Natural Language Reasoning.

Tencent AI Lab   *Feb 2024 - Jul 2024*

- ○ Research intern, mentored by Dr. Leyang Cui and Dr. Shuming Shi

○ Focus: LLM Alignment.

Aliabab DAMO Academy *Jan 2023 - Jan 2024*

○ Research intern, mentored by Dr. Xin Li and Dr. Lidong Bing

○ Focus: Natural Language Reasoning.

Westlake University *Nov 2020 - Jun 2022*

○ Research Assistant in Text Intelligence Lab.

○ Supervisor: Prof. Yue Zhang

○ Focus: Syntactic Parsing.

Westlake University *Apr 2019 - Jan 2020*

○ Undergraduate Research Intern in Text Intelligence Lab.

○ Supervisor: Prof. Yue Zhang

○ Focus: Sentiment Analysis, Text Summarization.

University of Western Australia *Jul 2018 - Aug 2018*

○ Research Intern in the School of Computer Science and Software Engineering

○ Supervisor: Dr. Wei Liu

○ Focus: Paraphrase Identification, Graph Embedding.

TECHNICAL SKILLS

Programming Languages	Python
Tools	PyTorch, LaTeX