

# SEN YANG

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## EDUCATION

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### 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

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(\* indicates equal contribution. )

### Preprints:

- [1] Multi-LLM Collaborative Search for Complex Problem Solving
  - **Sen Yang**, Yafu Li, Wai Lam, Yu Cheng
  - *arXiv preprint 2025*
  - Links: [\[Paper\]](#)
- [2] Atomic Calibration of LLMs in Long-Form Generations
  - Caiqi Zhang, Ruihan Yang, Zhisong Zhang, Xinting Huang, **Sen Yang**, Dong Yu, Nigel Collier
  - *arXiv preprint 2024*
  - Links: [\[Paper\]](#)
- [3] Do Prompts Solve NLP Tasks Using Natural Language?
  - **Sen Yang\***, Yunchen Zhang\*, Leyang Cui and Yue Zhang
  - *arXiv preprint 2022*
  - Links: [\[Paper\]](#)

### Publications:

- [1] LoGU: Long-form Generation with Uncertainty Expressions
  - Ruihan Yang, Caiqi Zhang, Zhisong Zhang, Xinting Huang, **Sen Yang**, Nigel Collier, Dong Yu, Deqing Yang
  - *ACL 2025*
  - Links: [\[Paper\]](#)
- [2] Neuro-Symbolic Integration Brings Causal and Reliable Reasoning Proofs
  - **Sen Yang**, Xin Li, Leyang Cui, Lidong Bing, Wai Lam
  - *NAACL 2025 (Findings)*
  - Links: [\[Paper\]](#) [\[Code\]](#)
- [3] 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: [\[Paper\]](#)
- [4] 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: [\[Paper\]](#) [\[Code\]](#) [\[Demo\]](#)
- [5] 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: [\[Paper\]](#) [\[Code\]](#)
- [6] Enhancing Grammatical Error Correction Systems with Explanations
- Yuejiao Fei, Leyang Cui, **Sen Yang**, Wai Lam, Zhenzhong Lan and Shuming Shi
  - *ACL 2023*
  - Links: [\[Paper\]](#) [\[Dataset\]](#)
- [7] Cross-domain Generalization for AMR Parsing
- Xuefeng Bai, **Sen Yang**, Leyang Cui, Linfeng Song and Yue Zhang
  - *EMNLP 2022*
  - Links: [\[Paper\]](#) [\[Code\]](#)
- [8] Challenges to Open-Domain Constituency Parsing
- **Sen Yang**, Leyang Cui, Ruoxi Ning, Di Wu and Yue Zhang
  - *ACL 2022 (Findings)*
  - Links: [\[Paper\]](#) [\[Dataset\]](#)
- [9] Investigating Non-local Features for Neural Constituency Parsing
- Leyang Cui\*, **Sen Yang\*** and Yue Zhang
  - *ACL 2022*
  - Links: [\[Paper\]](#) [\[Code\]](#)
- [10] Template-Based Named Entity Recognition Using BART
- Leyang Cui, Yu Wu, Jian Liu, **Sen Yang** and Yue Zhang
  - *ACL 2021 (Findings)*
  - Links: [\[Paper\]](#) [\[Code\]](#)
- [11] Making the Best Use of Review Summary for Sentiment Analysis
- **Sen Yang\***, Leyang Cui\*, Jun Xie and Yue Zhang
  - *COLING 2020*
  - Links: [\[Paper\]](#) [\[Code\]](#)
- [12] 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

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### Alibaba Qwen

May 2025 - Now

- Intern algorithm engineer in the pre-training group
- Focus: Reasoning, Pre-training.

### 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**

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**Programming Languages**

Python

**Tools**

PyTorch, L<sup>A</sup>T<sub>E</sub>X