

Siting Li

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Education

University of Washington

Ph.D. student, advised by Prof. Simon S. Du

Sept. 2023 – Present

Paul G. Allen School of Computer Science & Engineering

Tsinghua University

B.Eng in Computer Science (Yao class)

Sept. 2019 – Jun. 2023

Institute for Interdisciplinary Information Sciences

- Overall GPA: 3.78/4.0

Research experiences

Applied Scientist Intern at Amazon FAR (Frontier AI & Robotics)

Jun. 2025 – Present

Mentor: Dr. Yang Liu

Research Assistant at Department of Biostatistics, University of Washington

Dec. 2024 – Jun. 2025

Mentors: Prof. Ting Ye, Prof. Simon S. Du

- Designed and implemented new multimodal algorithm for predicting atrial fibrillation and heart failure using ECG and cardiac MRI data.

Research Assistant at Allen School, University of Washington

Sept. 2023 – Feb. 2025

Mentors: Prof. Simon S. Du, Prof. Pang Wei Koh

- Designed and performed experiments investigating the vision-language alignment and encoder's ability in Vision-Language Models of different paradigms.

Research Intern (Remote) at Allen School, University of Washington

Feb. 2022 – Jan. 2023

Mentor: Prof. Simon S. Du

- Built the theoretical framework for multi-modal contrastive learning by analyzing the gradient flow dynamics. Designed and tested regularizers for improving the quality of learned representations.

Research Intern at MARS Lab, IIS, Tsinghua University

Jul. 2021 – Jun. 2023

Mentor: Prof. Hang Zhao

- Proposed an information-theoretical framework to explain the discrepancy among previous conclusions on multi-modal robustness. Designed and tested a metric and its calculating pipeline based on mutual information for evaluating modality complementarity on multi-modal datasets.

Research Intern at IIS, Tsinghua University

Jul. 2020 – Jul. 2021

Mentor: Prof. Yang Yu

- Conducted experiments and plotted graphs to verify the DID counterfactual framework which clarifies the mechanisms how pixel normalization causes PG-GAN entanglement.

Publications

1. Highlighting What Matters: Promptable Embeddings for Attribute-Focused Image Retrieval [\[link\]](#)

Siting Li, Xiang Gao, Simon S. Du

In Conference on Neural Information Processing Systems (NeurIPS) 2025 (Poster)

2. Exploring How Generative MLLMs Perceive More Than CLIP with the Same Vision Encoder [\[link\]](#)

Siting Li, Pang Wei Koh, Simon S. Du

In Annual Meeting of the Association for Computational Linguistics (ACL) 2025 (Main Conference)

In CVPR 2025 Multimodal Algorithmic Reasoning Workshop (Poster)

Preprints

1. RLVE: Scaling Up Reinforcement Learning for Language Models with Adaptive Verifiable Environments [\[link\]](#)
Zhiyuan Zeng*, Hamish Ivison*, Yiping Wang*, Lifan Yuan*, Shuyue Stella Li, Zhuorui Ye, **Siting Li**, Jacqueline He, Runlong Zhou, Tong Chen, Chenyang Zhao, Yulia Tsvetkov, Simon Shaolei Du, Natasha Jaques, Hao Peng, Pang Wei Koh, Hannaneh Hajishirzi
2025

2. What Makes for Robust Multi-Modal Models in the Face of Missing Modalities? [\[link\]](#)
Siting Li*, Chenzhuang Du*, Yue Zhao, Yu Huang, Hang Zhao
2023

3. Training-Free Robust Multimodal Learning via Sample-Wise Jacobian Regularization [\[link\]](#)
Zhengqi Gao, Sucheng Ren, Zihui Xue, **Siting Li**, Hang Zhao
2022

4. Difference-in-Differences: Bridging Normalization and Disentanglement in PG-GAN [\[link\]](#)
Xiao Liu*, Jiajie Zhang*, **Siting Li***, Zuatong Wu, Yang Yu
2020

Honors and scholarships

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| Paul G. Allen First-Year Graduate Student Fellowship, Univ. of Washington | 2023 |
| Spark Scientific and Technological Innovation Fellowship, Tsinghua University | 2021 |
| • top 1% of 3800+ Tsinghua '23 undergraduate students for outstanding research performance | |
| Silver Medal (Rank 21/318) in China Collegiate Programming Contest (Regional, Harbin) | 2021 |
| Gold Medal in National Olympiad in Informatics (Invitational) | 2018 |
| First Prize in National Olympiad in Informatics in Provinces | 2016, 2017 |

Service and leadership

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| Teaching Assistant of CSE 543 Deep Learning, Univ. of Washington | Sept. 2024 – Dec. 2024 |
| Ph.D. Pre-Application Mentorship Service (PAMS) Mentor, Univ. of Washington | 2024 |
| Ph.D. Application Volunteer Reader, Univ. of Washington | 2024, 2025 |
| Council Member of Spark Innovative Talent Cultivation Program, Tsinghua University | Sept. 2021 – Jun. 2023 |
| • Working on the review committee of the Spark Fellowship and as an organizer of Spark Days. | |

Skills

Programming Languages : C/C++, Python, Go, LaTeX
Framework : PyTorch
Natural Languages : Chinese (Native), English (Proficient)