Minqian Liu

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EDUCATION

Virginia Tech   **Blacksburg, USA**
Ph.D. Student in Computer Science   *Aug. 2021-Present*
○ Advisor: Prof. Lifu Huang

South China University of Technology (SCUT)   **Guangzhou, China**
B.Eng. in Computer Science and Technology   *Sept. 2017-Jun. 2021*
○ Advisors: Prof. Mingkui Tan (SCUT) and Prof. Xiaojun Quan (Sun Yat-sen University)

University of California, Berkeley   **Berkeley, USA**
Visiting Student in the Department of Electrical Engineering and Computer Sciences   *Jan. 2019-May 2019*
○ Sponsored by the Outstanding Undergraduate Overseas Study Scholarship at SCUT

RESEARCH INTERESTS

My primary research interests lie in the field of natural language processing (NLP) and its applications. Specifically, I am interested in the following research topics:

○ **Language technology for real-world applications,** including continual learning and few/zero-shot learning for NLP tasks.

○ **Knowledge-driven information extraction:** extracting structured information by leveraging external knowledge sources and knowledge-based reasoning.

○ **Multimodal learning,** e.g., the reasoning between visual scenes and natural language.

PUBLICATIONS & MANUSCRIPTS

(*: Equal contribution)

Incremental Prompting: Episodic Memory Prompt for Lifelong Event Detection
○ **Minqian Liu**, Shiyu Chang, Lifu Huang.
○ In submission to *NAACL-HLT*, 2022.

Co-attention Network with Label Embedding for Text Classification
○ **Minqian Liu***, Lizhao Liu*, Junyi Cao, Qing Du.
○ In *Neurocomputing*, 2022. [paper]

Progressive Dialogue State Tracking for Multi-domain Dialogue Systems
○ Jiahao Wang, **Minqian Liu**, Xiaojun Quan.
○ In *Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing*, 2021. [paper]

Dynamic Extension Nets for Few-shot Semantic Segmentation
○ Lizhao Liu*, Junyi Cao*, **Minqian Liu***, Yong Guo*, Qi Chen*, Mingkui Tan.
○ In *Proceedings of the 28th ACM International Conference on Multimedia*, 2020. [paper][code]

HONORS & AWARDS

○ Saliai Technology Innovation Scholarship (Top 10% in Computer Science Department), SCUT. 2020.
○ Outstanding Undergraduate Overseas Study Scholarship, SCUT. 2019.
○ Second Prize Scholarship (Top 15% in Computer Science Department), SCUT. 2018.

TEACHING

- Teaching Assistant of CS 3114: Data Structures and Algorithms, Fall 2021 & Spring 2022, Virginia Tech.