

# Minqian Liu

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## EDUCATION

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### Virginia Tech

*Ph.D. Student in Computer Science*

- Advisor: Prof. Lifu Huang

### South China University of Technology (SCUT)

*B.Eng. in Computer Science and Technology*

- Advisors: Prof. Mingkui Tan and Prof. Xiaojun Quan (Sun Yat-sen University)

### University of California, Berkeley

*Visiting Student in the Department of Electrical Engineering and Computer Sciences*

**Blacksburg, USA**

*Aug. 2021-Present*

**Guangzhou, China**

*Sept. 2017-Jun. 2021*

**Berkeley, USA**

*Jan. 2019-May 2019*

## RESEARCH INTERESTS

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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 empowered by external knowledge sources and knowledge-based reasoning.

## PUBLICATIONS & MANUSCRIPTS

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### Dynamic Extension Nets for Few-shot Semantic Segmentation

- Lizhao Liu\*, Junyi Cao\*, **Minqian Liu\***, Yong Guo\*, Qi Chen\*(*equal contribution*), Mingkui Tan.
- In *Proceedings of the 28th ACM International Conference on Multimedia*, 2020. [[paper](#)][[code](#)]

### 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](#)]

### Co-attention Network with Label Embedding for Text Classification

- **Minqian Liu**, Lizhao Liu, Junyi Cao, Qing Du.
- Under review at *Neurocomputing*.

## HONORS & AWARDS

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- Saliat 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

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