

Wu Shengqiong (吴胜琼)

🏠 <https://chocowu.github.io>

✉ swu@u.nus.edu

🔗 <https://github.com/ChocoWu>

🎓 <https://scholar.google.com/citations?user=RJJLKR0AAAAJ>




I am a first-year Ph.D. student at *School of Computing, National University of Singapore*, with my Advisor, Prof. Chua Tat Seng. Previously, I have worked on *Opinion Mining* and *Sentiment Analysis*, and partially *Syntax Parsing*. I employed the external syntactic and linguistic features to aid aforementioned Natural Language Processing (NLP) tasks. Currently, I focus on multi-modal information extraction, including multi-modal named entity recognition, multi-modal relation extraction, etc.

Education




- | | |
|-------------------|---|
| 2022/08 – Now | 📖 National University of Singapore.
Ph.D. in School of Computing.
Supervisor: Prof. Chua Tat Seng. |
| 2019/09 – 2022/06 | 📖 Wuhan University , Wuhan, China.
M.S. in Cyberspace Security.
Supervisor: Prof. Donghong Ji. |
| 2015/09 – 2019/06 | 📖 Wuhan University , Wuhan, China.
B.S. in Computer Science and Technology. |

Publications

1. Shunjie Chen, Xiaochuan Shi, Jingye Li, **Shengqiong Wu**, Hao Fei, Fei Li, Donghong Ji. Joint Alignment of Multi-Task Feature and Label Spaces for Emotion Cause Pair Extraction. In Proc. of COLING. 2022. (Poster, online) | pdf 📄
2. Hu Cao, Jingye Li, Fangfang Su, Fei Li, Hao Fei, **Shengqiong Wu**, Bobo Li, Liang Zhao and Donghong Ji. OneEE: A One-Stage Framework for Fast Overlapping and Nested Event Extraction. In Proc. of COLING. 2022. (Oral, online) | pdf 📄
3. Jingye Li, Hao Fei, Jiang Liu, **Shengqiong Wu**, Meishan Zhang, Chong Teng, Donghong Ji, Fei Li. Unified named entity recognition as word-word relation classification. In Proc. of AAAI. 2022. (Oral, online, 15% acceptance rate) | pdf 📄
4. **Shengqiong Wu**, Hao Fei, Fei Li, Donghong Ji, Meishan Zhang, Yijiang Liu, Chong Teng. Mastering the Explicit Opinion-role Interaction: Syntax-aided Neural Transition System for Unified Opinion Role Labeling. In Proc. of AAAI. 2022. (Oral, online, 15% acceptance rate) | pdf 📄
5. **Shengqiong Wu**, Hao Fei, Ren Yafeng, Donghong Ji and Jingye Li. Learn from Syntax: Improving Pair-wise Aspect and Opinion Terms Extraction with Rich Syntactic Knowledge. In Proc. of IJCAI. 2021. (Oral, online, 13.9% acceptance rate) | pdf 📄
6. **Shengqiong Wu**, Hao Fei, Yafeng Ren, Bobo Li, Fei Li and Donghong Ji. High-order Pair-wise Aspect

- and Opinion Terms Extraction with Edge-enhanced Syntactic Graph Convolution. **IEEE/ACM TASLP**. 2021. | pdf 
7. **Shengqiong Wu**, Bobo Li, Dongdong Xie, Chong Teng and Donghong Ji. Neural Transition Model for Aspect-based Sentiment Triplet Extraction with Triplet Memory. **Neurocomputing**. 2021. | pdf
 8. **Shengqiong Wu**, Hao Fei and Donghong Ji. Aggressive Language Detection with Joint Text Normalization via Adversarial Multi-task Learning. In Proc. of **NLPCC**. 2020. (Oral, Zhengzhou, 22% acceptance rate) | pdf 
 9. Jingye Li, Hao Fei, Jiang Liu, **Shengqiong Wu**, Meishan Zhang, Chong Teng, Donghong Ji, Fei Li. Unified Named Entity Recognition as Word-Word Relation Classification. In Proc. of **AAAI**. 2022. (long, online, 15% acceptance rate) | pdf 
 10. Hao Fei, **Shengqiong Wu**, Yafeng Ren, Fei Li and Donghong Ji. Better Combine Them Together! Integrating Syntactic Constituency and Dependency Representations for Semantic Role Labeling. Findings of **ACL**. 2021. | pdf
 11. Hao Fei, Yafeng Ren, Bobo Li, **Shengqiong Wu**, Donghong Ji. Latent Target-Opinion as Prior for Document-Level Sentiment Classification: A Variational Approach from Fine-Grained Perspective. In **WWW**. 2021. (20.6% acceptance rate) | pdf
 12. Hao Fei, **Shengqiong Wu**, Yafeng Ren, Donghong Ji. Second-Order Semantic Role Labeling With Global Structural Refinement. **IEEE/ACM TASLP**. 2021. | pdf



Invited Talks

- 2021/12  Research on Opinion Mining based on Syntactic Knowledge Enhancement. Wuhan University.
- 2021/10  Comparison of Aspect-based Sentiment Analysis based on span model and transition model. Wuhan University.
- 2021/05  Learn from Syntax: Improving Pair-wise Aspect and Opinion Terms Extraction with Rich Syntactic Knowledge. CIPS, Youth Working Committee.


Internships

- 2019/07 – 2019/08  **China Merchants Bank**, China, Information Technology Department intern. Crawl web-data related to financial stock. Construct knowledge graph for Smart Q&A. Employ graph database (Neo4j) for data storage.
- 2018/07 – 2018/11  **Yitu Technology**, China, Solution Engineer intern. Responsible for the deployment, upgrade, daily maintenance of products and equipment in the company's projects.

Teaching Assistant

- 2021 Spring & Autumn  *Public Opinion Analysis*. School of CSE, Wuhan University.
- 2020 Autumn  *Natural Language Processing*. School of CSE, Wuhan University.


Teaching Assistant (continued)

2019 Autumn  *Computer Network*. School of CSE, Wuhan University.




Professional Reviewing Services

- The 60-th Annual Meeting of the Association for Computational Linguistics (ACL), 2022.
- The 35-th Conference on Neural Information Processing Systems (NeurIPS), 2021.
- The 35-th AAAI Conference on Artificial Intelligence (AAAI), 2021.
- The 20-th China National Conference on Computational Linguistics (CCL), 2021.
- The 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP), 2021.
- The ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP).
- Information Processing & Management (IPM).
- Knowledge-Based Systems (KBS).

Awards and Honors

- | | | |
|-----------|---|---|
| 2022 |  | President's Graduate Fellowship, NUS. |
| |  | Excellent Graduated Graduate Student, WHU. |
| 2021 |  | National Scholarship for graduate students, WHU. |
| |  | Huawei Scholarship for graduate students, WHU. |
| |  | 1st prize of Academic Scholarship of Wuhan University for graduate, WHU. |
| |  | Excellent Postgraduate award, WHU. |
| 2020 |  | 2st prize of Academic Scholarship of Wuhan University for graduate, WHU. |
| |  | Excellent Postgraduate award, WHU. |
| 2017 |  | Excellent student cadre, WHU. |
| 2016-2019 |  | 2st prize of Academic Scholarship of Wuhan University for undergraduate, WHU. |
| 2016 |  | National Encouragement Scholarship, WHU. |

Skills

- | | | |
|---------------|---|--|
| English |  | Fluent speaking, freely expressing and academic writing. |
| Coding |  | Python, Java, LINUX, PHP, \LaTeX , Markdown, ... |
| Deep Learning |  | Pytorch, Tensorflow, Dynet, Keras, FastNLP, AllenNLP, Paddle paddle, ... |