

Liangchen Luo

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Research Interests	Natural Language Processing, Learning Theory, Model Compression, Vision	
Education	Peking University (PKU) School of Earth and Space Science B.Sc., in the Specialty of Geographical Information Science	2014 – 2019
Research Experience	Retail Search, Cloud AI , Google <i>Software Engineer</i>	Sep 2021 – Present
	Mobile Models Team, Cerebra, Google Research <i>AI Resident</i> , advised by Andrew Howard and Mark Sandler	Oct 2019 – Jun 2021
	NLP Group, DiDi AI Labs <i>Research Intern</i> , advised by Yan Liu	Jul 2018 – Nov 2018
	Big Data Mining Group, Microsoft Research Asia <i>Research Intern</i> , advised by Wenhao Huang and Zaiqing Nie	Jul 2017 – May 2018
Publications	<ol style="list-style-type: none">8. Adaptive Gradient Methods with Dynamic Bound of Learning Rate. Liangchen Luo*, Yuanhao Xiong*, Yan Liu, Xu Sun. In <i>Proceedings of the 7th International Conference on Learning Representations (ICLR)</i>. 2019.7. Learning Personalized End-to-End Goal-Oriented Dialog. Liangchen Luo, Wenhao Huang, Qi Zeng, Zaiqing Nie, Xu Sun. In <i>Proceedings of the 33rd AAAI Conference on Artificial Intelligence (AAAI)</i>. 2019.6. Text Assisted Insight Ranking Using Context-Aware Memory Network. Qi Zeng*, Liangchen Luo*, Wenhao Huang, Yang Tang. In <i>Proceedings of the 33rd AAAI Conference on Artificial Intelligence (AAAI)</i>. 2019.5. An Auto-Encoder Matching Model for Learning Utterance-Level Semantic Dependency in Dialogue Generation. Liangchen Luo*, Jingjing Xu*, Junyang Lin, Qi Zeng, Xu Sun. In <i>Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP)</i>. 2018.	
Manuscripts	<ol style="list-style-type: none">4. Bridging the Gap Between Object Detection and User Intent via Query-Modulation. Marco Fornoni, Chaochao Yan, Liangchen Luo, Kimberly Wilber, Alex Stark, Yin Cui, Boqing Gong, Andrew Howard. <i>arXiv preprint arXiv:2106.10258</i>. 2021.3. Large-Scale Generative Data-Free Distillation. Liangchen Luo, Mark Sandler, Zi Lin, Andrey Zhmoginov, Andrew Howard. <i>arXiv preprint arXiv:2012.05578</i>. 2020.2. Image Segmentation via Cellular Automata. Mark Sandler, Andrey Zhmoginov, Liangchen Luo, Alexander Mordvintsev, Ettore Randazzo, Blaise Agüera y Arcas. <i>arXiv preprint arXiv:2008.04965</i>. 2020.	

1. MUSE: Parallel Multi-Scale Attention for Sequence to Sequence Learning. Guangxiang Zhao, Xu Sun, Jingjing Xu, Zhiyuan Zhang, **Liangchen Luo**. *arXiv preprint arXiv:1911.09483*. 2019.

Professional Service

- Program committee member, the International Conference on Learning Representations (ICLR), 2021.
- Program committee member, the Annual Meeting of the Association for Computational Linguistics (ACL), 2019.
- Program committee member, the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2019.
- Program committee member, the AAAI Conference on Artificial Intelligence (AAAI), 2020.

Awards & Honors

- Academic Excellence Award, Peking University 2018
- Liao Kaiyuan Scholarship, Peking University 2018
- Study Excellence Award, Peking University 2015
- May Fourth Scholarship, Peking University 2015
- First prize of National Olympiad in Informatics in Provinces $\times 3$, China 2011 – 2013