

# Lin Zheng

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## Education

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- The University of Hong Kong** 2021.09 – present  
*Ph.D. in Computer Science*  
Advisor: Lingpeng Kong, Ping Luo, and Ben Kao
- Sun Yat-sen University** 2017.09 – 2021.7  
*B.E. in Software Engineering*
- Overall GPA 4.0/4.0, Ranking 3/174

## Publications

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- [1] **Lin Zheng**, Jianbo Yuan, Lei Yu, and Lingpeng Kong. A reparameterized discrete diffusion model for text generation. *Preprint arXiv:2302.05737*.
- [2] Jun Zhang, Shuyang Jiang, Jiangtao Feng, **Lin Zheng**, and Lingpeng Kong. CAB: Comprehensive attention benchmarking on long sequence modeling. In *ICML 2023*.
- [3] **Lin Zheng**, Jianbo Yuan, Chong Wang, and Lingpeng Kong. Efficient attention via control variates. In *ICLR 2023 (oral)*.
- [4] **Lin Zheng**, Chong Wang, and Lingpeng Kong. Linear complexity randomized self-attention mechanism. In *ICML 2022*.
- [5] **Lin Zheng**, Huijie Pan, and Lingpeng Kong. Ripple attention for visual perception with sub-quadratic complexity. In *ICML 2022*.
- [6] **Lin Zheng**, Zhiyong Wu, and Lingpeng Kong. Cascaded head-colliding attention. In *ACL 2021*.
- [7] **Lin Zheng**, Qinliang Su, Dinghan Shen, and Changyou Chen. Generative semantic hashing enhanced via boltzmann machines. In *ACL 2020*.

## Research Experience

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- Research Intern** 2021.06 – 2022.08  
ByteDance Applied Machine Learning (AML) Research  
Working with Chong Wang and Jianbo Yuan
- Research Assistant** 2020.11 – present  
The University of Hong Kong  
Working with Lingpeng Kong
- Research Assistant** 2019.03 – 2021.05  
Sun Yat-sen University  
Working with Qinliang Su

## Professional Service

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**Reviewer:** ACL 2021, NAACL 2021, ICML 2022-2023, and NeurIPS 2022-2023.

## Teaching

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- TA for COMP3314B Machine Learning, 2022 Spring and 2023 Spring, HKU

## Selected Awards

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- 2022:** M. Braun Postgraduate Prize at the University of Hong Kong.  
**2021:** The University Postgraduate Fellowship at the University of Hong Kong.  
**2019:** The first-grade scholarship at Sun Yat-sen University.  
**2018:** The second-grade scholarship at Sun Yat-sen University.