

Lin Zheng

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Education

The University of Hong Kong

2021.09 – present

Ph.D. in Computer Science

Advisor: Lingpeng Kong

Sun Yat-sen University

2017.09 – 2021.7

B.E. in Software Engineering

○ Overall GPA 4.0/4.0, Ranking 3/174

Selected Publications

- [1] **Lin Zheng**, Xueliang Zhao, Guangtao Wang, Chen Wu, David Dong, Angela Wang, Mingran Wang, Yun Du, Haige Bo, Amol Sharma, Bo Li, Kejie Zhang, Changran Hu, Urmish Thakker, and Lingpeng Kong. Evabyte: Efficient byte-level language models at scale, 2025.
- [2] Jiacheng Ye, Jiahui Gao, Shansan Gong, **Lin Zheng**, Xin Jiang, Zhenguo Li, and Lingpeng Kong. Beyond autoregression: Discrete diffusion for complex reasoning and planning. In *ICLR 2025*.
- [3] Shansan Gong, Shivam Agarwal, Yizhe Zhang, Jiacheng Ye, **Lin Zheng**, Mukai Li, Chenxin An, Peilin Zhao, Wei Bi, Jiawei Han, Hao Peng, and Lingpeng Kong. Scaling diffusion language models via adaptation from autoregressive models. In *ICLR 2025*.
- [4] **Lin Zheng**, Jianbo Yuan, Zhi Zhang, Hongxia Yang, and Lingpeng Kong. Self-infilling code generation. In *ICML 2024*.
- [5] Jiacheng Ye, Shansan Gong, Liheng Chen, **Lin Zheng**, Jiahui Gao, Han Shi, Chuan Wu, Zhenguo Li, Wei Bi, and Lingpeng Kong. Diffusion of thoughts: Chain-of-thought reasoning in diffusion language models. In *NeurIPS 2024*.
- [6] **Lin Zheng**, Jianbo Yuan, Lei Yu, and Lingpeng Kong. A reparameterized discrete diffusion model for text generation. In *COLM 2024*.
- [7] **Lin Zheng**, Jianbo Yuan, Chong Wang, and Lingpeng Kong. Efficient attention via control variates. In *ICLR 2023 (oral)*.
- [8] **Lin Zheng**, Chong Wang, and Lingpeng Kong. Linear complexity randomized self-attention mechanism. In *ICML 2022*.

Research Experience

SambaNova Systems

2024.02 – 2024.12

Intern working with Urmish Thakker, Mingran Wang, and Yun Du

ByteDance Applied Machine Learning (AML) Research

2023.04 – 2023.10

Intern working with Jianbo Yuan and Zhi Zhang

ByteDance Applied Machine Learning (AML) Research

2021.06 – 2022.08

Intern working with Chong Wang and Jianbo Yuan

The University of Hong Kong

2020.11 – present

Research Assistant working with Lingpeng Kong

Sun Yat-sen University

2019.03 – 2021.05

Research Assistant working with Qinliang Su

Professional Service

Reviewer: ACL 2021, NAACL 2021, ICML 2022-2024, ICLR 2025, and NeurIPS 2022-2023.

Teaching

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

Selected Awards

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.