

GUANZHENG CHEN

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🔗 Google Scholar 🏠 Github

EDUCATION

Sun Yat-sen University

Master Student (Second Year), Computer Science and Engineering

GPA: 90.7/100

Supervisor: Dr. Shangsong Liang

Guangzhou, China

Sep 2021 - Jun 2024

Chongqing University

Bachelor Degree, Computer Science

GPA: 3.61 / 4.0

Chongqing, China

Sep 2017 - Jun 2021

RESEARCH INTERESTS

- **Natural Language Processing:**

- Enhancing the long-context capability of LLMs.
- Utilising LLMs by parameter-efficient way.
- Exploring the scaling ability of linear RNN (state-space model).

- **Knowledge Graph:**

- Knowledge injection and verification for LLMs.

PUBLICATIONS

- **Guanzheng Chen**, Xin Li, Zaiqiao Meng, Shangsong Liang, Lidong Bing, **Continuous Length Extrapolation for Large Language Models**
Submitted to The Twelfth International Conference on Learning Representations (*ICLR 2024*)
- **Guanzheng Chen**, Yong Dai, Fangyu Liu, Zaiqiao Meng, Jiawei Gu, Nan Du and Shangsong Liang, **Autoregressive-Diffusion Resonance Process for Neural Text Generation**
Submitted to Transactions of the Association for Computational Linguistics (*TACL*)
- **Guanzheng Chen**, Fangyu Liu, Zaiqiao Meng, and Shangsong Liang, **Revisiting Parameter-Efficient Tuning: Are We Really There Yet?**
Accepted in The 2022 Conference on Empirical Methods in Natural Language Processing (*EMNLP 2022, Oral Presentation*).
- **Guanzheng Chen**, Jinyuan Fang, Zaiqiao Meng, Qiang Zhang and Shangsong Liang, **Multi-Relational Graph Representation Learning with Bayesian Gaussian Process Network**
Accepted in Thirty-Sixth AAAI Conference on Artificial Intelligence (*AAAI 2022*).

RESEARCH EXPERIENCE

Alibaba DAMO Academic
Research Intern

Hangzhou, China
Apr 2023 - Now

Tencent AI Lab
Research Intern

Shenzhen, China
Oct 2022 - Feb 2023

University of Glasgow
Research Assistant, Supervisor: Dr. Zaiqiao Meng

Glasgow, UK
Jun 2022 - Sep 2022

HONORS & AWARDS

- National Scholarship for Postgraduates (<1%) Sep 2022
- SYSU Excellent Student Scholarship (<20%) Sep 2021 & Sep 2022
- CQU Excellent Student Scholarship (<30%) Sep 2020 & Sep 2019 & Sep 2018

TEACHING & REVIEW SERVICE

Teaching Assistant:

- *Machine Learning*, Sun Yat-sen University Fall 2022
- Instructor: Shangsong Liang

External Reviewer:

- IJCAI 2023, SIGIR 2023, AAAI 2022, SDM 2022, ACL Rolling Review (Nov.), SIGIR 2022

Courses and Skills

• Selected Courses:

- Mathematics: Advanced Mathematics, Linear Algebra, Probability & Mathematical Statistics, Discrete Mathematics, Mathematical and Interdisciplinary Modeling
- Machine Learning: Machine Learning, Pattern Recognition
- Computer Science: Computer Networks, Operating Systems, Computer Composition Principle

• Programming languages & machine learning tools:

C++, Python, Verilog, Tensorflow, Pytorch, LaTeX

• Languages:

Mandarin, English