

Mr. Shitou ZHANG

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EDUCATION

The Chinese University of Hong Kong (CUHK)

Sep. 2022 – Jun. 2023

Master of Science in Information Engineering

Wuhan University (WHU)

Sep. 2018 – Jun. 2022

Bachelor of Science in Archival Science (Information Management)

WORK EXPERIENCE

Technical Consultant, FiduciaEdge Technologies Co. Ltd., Hong Kong

Jul. 2023 – Aug. 2023

Supervisor: Prof. John K. Zao

Duties included: Federated learning system implementation and deployment

Research Assistant, Key Laboratory of Smart Archives, (Wuhan)

Jun. 2023 – Jul. 2023

Supervisor: Prof. Ping Wang

Duties included: Domain-oriented LLM development and deployment

Research Assistant, Wuhan University

Mar. 2023 – Jun. 2023


Supervisor: Dr. Zuchao Li

Duties included: General-purpose LLM pre-training

PROJECT EXPERIENCE

● BATGPT

Mar. 2023 – Present

Description: Pre-trained BATGPT, a general backbone LLM available in sizes: 15B, 30B, 70B and 140B, over one trillion tokens; Recognized as a leading Chinese-oriented model in benchmarks like C-eval and CMMLU; Open-sourced 15B v1.0, available on .

● ArcGPT

Jun. 2023 – Present

Description: Developed and deployed ArcGPT, a domain-specific LLM tailored for archival applications, using FastAPI for in-house local inference.

● FL on fECP

Jul. 2023 – Aug. 2023

Description: Re-implemented ClusterFL using Pytorch and Flower frameworks; Deployed on Vecow Vhub (arm-based edge AI computing platform); Integrated FL systems with fECP (Trusted Execution Environment).

PUBLICATIONS

- [1] Shitou Zhang, Jingrui Hou, Siyuan Peng, Zuchao Li, Qibiao Hu, Ping Wang. “ArcGPT: A Large Language Model Tailored for Real-world Archival Applications”. [2307.14852.pdf \(arxiv.org\)](https://arxiv.org/abs/2307.14852)
- [2] Zuchao Li, Shitou Zhang, Hai Zhao*, Yifei Yang, Dongjie Yang. “BATGPT: A Bidirectional Autoregressive Talker from Generative Pre-trained Transformer”. [2307.00360.pdf \(arxiv.org\)](https://arxiv.org/abs/2307.00360)
- [3] Shitou Zhang, Ping Wang*, Zuchao Li*, Jingrui Hou. “Enhancing Ancient Chinese Understanding with Derived Noisy Syntax Trees”. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 4: Student Research Workshop). [2023.acl-srw.15.pdf \(aclanthology.org\)](https://aclanthology.org/2023.acl-srw.15.pdf)

MANUSCRIPTS

- [1] Shitou Zhang, Zuchao Li, Jingrui Hou, Ping Wang*. **“Complementary Attention Memory Mechanism for Better Aspect-based Abstractive Summarization”**. *The 17th ACM International Conference Web Search and Data Mining (WSDM 2024)*, Under review.
- [2] Shitou Zhang, Ping Wang*, Zuchao Li*, Jingrui Hou, Qibiao Hu. **“Confidence-based Syntax Encoding Network for Better Ancient Chinese Understanding”**. *Information Processing & Management (IPM)*, Under review.
- [3] Jiajia Li, Letian Peng, Shitou Zhang, Ping Wang, Zuchao Li, Hai Zhao. **“Semantics-Preserved Distortion for Personal Privacy Protection in Information Management”**. *Expert Systems with Applications (ESWA)*, Under review.

Latest update on 13th Aug. 2023