Aoqun Jin

CONTACTS

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Location: Hubei Province, Xiaogan, 431600, China

SKILLS

Programming: Python, Cuda C
Library: PyTorch, Transformers, Deepspeed, etc
Research: Experiment design, data analysis, paper writing

WORKES

1. Natural language processing
2. Distributed machine learning
3. Robotics

EDUCATION

Bachelor of Science, Hubei Normal University (HBNU), Huangshi
Undergrad: 2021 - 2025
Received a 2022 Scholarship (3/47)

ABOUT ME

I'm looking for great teams to work with, advancing the field of DL and the possibility of a CS PhD.

EXPERIENCE

Hubei Normal University, NLP lab. | Research assistant
Nov 2021 - Feb 2023 | Huangshi
Assisted research on NLP, IR and QA.

Hubei Normal University, AMTC lab. | Research assistant
Feb 2023 - Present | Huangshi
Assisted research on NLP, multimodal learning.

Chinese Academy of Sciences, Institute of Computing Technology. | Guest student
Jun 2023 - September 2023 | Bejing
Assisted research on distributed ML and large language models.

Chinese Academy of Sciences, Institute of Automatic. | Intern
September 2023 - Present | Bejing
Engaged in robotics and imitation learning research.

RESEARCH

Sep 2021- Sep 2022 | Huangshi
Hubei Provincial Department of Education Key Project on Scientific and Technological Research:
Research on Pseudo-Relevance Feedback Query Expansion Technology Based on Latent Semantic Relations. Working on document transformer training on MS-MARCO. (2022)

Sep 2022- Apr 2023 | Huangshi
Introducing sparse attention to improve the computational complexity and cross domain of the encoder in IR. (2023, following up)
Sep 2023- Present | Bejing
Research on pertrain visual robotic agents, increased training speed by 10 times. (2024 now)

COMPETITIONS

Team leader, Huangshi
1. Semantic Retrieval E-commerce App (*National Innovation Challenge, 2022*)
2. Pest Detection via Fast-RCNN (*Data Mining Challenge, 2022*)
3. Transformer for Sentiment Analysis (*Innovation Competition, 2022*)

PUBLICATIONS

[1] Q. P. H. M. A. J. Min Pan, Yu Liu. A multi-dimensional semantic pseudo-relevance feedback information retrieval model. in 2022, November.

[2] N. Z. R. Z. Z. Z. A. J. Xian Fu, Xiao Yang. Bearing surface defect detection based on improved convolutional neural network. in 2023, May.