

Liu Peng

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"Where there is a will, there is a way"

Personal Profile

I received my Bachelor degree in Computer Science and Technology from the Hebei University of Technology. In my Bachelor thesis, I studied the generative model systematically, and use diffusion model for Chinese painting generation. Now, I have read a lot of materials related to deep learning, machine learning, For example, I read *Deep Learning* (By Ian Goodfellow, Original version in English) entirely. Apart from this, I also learn some prestigious school courses, such as Stanford CS231N. Now, I am looking for a research assistant job related to my research interests. I sincerely hope to have the opportunity do some meaningful work and publish some papers.

Research Interests

Generative Models, Deep Learning, Computer Vision, Natural Language Processing, Artificial Intelligence

Education

Hebei University of Technology

B.Eng. in Computer Science and Technology, GPA 3.8/4

Tianjin, China

August 2019 - June 2023

- Outstanding graduate of HEBUT
- Changed major to computer science and technology (Only two members)
- Give up the opportunity to study in a graduate school without examination

Thesis

Generative Models Research and Chinese Painting Generation

Hebei University of Technology

Tianjin, China

Jan 2023 - June 2023

- Systematic learning of mainstream generative models
- Flow-based model, Autoregressive model, Energy-based model, VAE, Diffusion model, GAN
- Use diffusion model for Chinese painting generation
- Read a lot of materials

Skills

Programming Python (Pytorch TensorFlow, Scikit-Learn), C/C++, C#, Java, SQL, HTML, MATLAB

Miscellaneous Git, \LaTeX , Markdown, Linux, Vim, Microsoft Office

Achievements

2023	Outstanding graduate , All aspects	Tianjin, China
2023	Innovation training program for college students , AI +Fiance, Principle, Province-level	Tianjin, China
2022	Entrepreneurship training program for college students , Software, Principle, Province-level	Tianjin, China
2021	First-class scholarship of Hebei University of Technology , Grades and extracurricular activities	Tianjin, China
2021	Merit student of Hebei University of Technology , All aspects	Tianjin, China
2020	First-class scholarship of Hebei University of Technology , Grades and extracurricular activities	Tianjin, China
2020	Merit student of Hebei University of Technology , All aspects	Tianjin, China

Motivation

In a long run, I believe that the real artificial intelligence like human will come true, and it will make great social good. I would like to devote myself to artificial intelligence. For now, I think generative artificial intelligence and multimodal (CV, NLP, etc.) are important to the realization of real artificial intelligence.

Languages

Chinese Native

English CET6, Proficient in reading