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 am looking for a research assistant job on generative models for about three years (2023-2026). I hope to publish two or three papers on generative models during the work period. In my spare time, I hope to write an English book on generative models.

Education

Hebei University of Technology   *Tianjin, China*
B.E. in Computer Science and Technology, GPA 3.8   *August 2019 - June 2023*
- Changed major to computer science and technology (Only two members)
- Give up the recommendation to study for graduate school without examination
- Outstanding graduate

Thesis

Generative Models Research and Chinese Painting Generation   *Tianjin, China*
Hebei University of Technology   *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 material

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

I have great interest in artificial intelligence and believe that artificial intelligence can greatly improve social productivity and has great social value. I am willing to devote myself to the frontier research of artificial intelligence and promote the progress of human society. In addition, I believe that the research on generative models contributes to the realization of general artificial intelligence. In the next few years, I hope to combine theory with practice in the field of generative models, publish several papers on generative models and write an English book on generative models in my spare time.

Languages

Chinese   Native
English   CET6, Proficient in reading