Jinbin Bai

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Education

National University of Singapore Sep. 2022 – Jul. 2024
M.Comp. in Artificial Intelligence, Dissertation Option *Singapore*

Nanjing University Sep. 2017 – Jul. 2021
B.S. in Computer Science, Outstanding Graduate *Nanjing, China*

- **GPA**: 90/100 **Ranking**: 10%

Shanghai Jiao Tong University Jan. 2020 – Jul. 2020
C9 League University-sponsored Exchange Program *Shanghai, China*

Research Interest

Computer Vision: Video Representation, Style Transfer, Vision-Language Understanding and Generation

Machine Learning: Representation Learning, Self-supervised Learning, Few-shot Learning

Publication

1. **Jinbin Bai**, Chunhui Liu, Feiyue Ni, Haofan Wang, Mengying Hu, Xiaofeng Guo, Lele Cheng. *LaT: Latent Translation with Cycle-Consistency for Video-Text Retrieval*, arXiv preprint arXiv:2207.04858.

2. Tian Ye, Sixiang Chen, Yun Liu, Yi Ye, **Jinbin Bai**, Erkang Chen. *Towards Real-time High-Definition Image Snow Removal: Efficient Pyramid Network with Asymmetrical Encoder-decoder Architecture*, Proceedings of the Asian Conference on Computer Vision (**ACCV**), Macau SAR, China, 2022.

Experience

Intelligent Creation, ByteDance Inc Apr. 2022 – Jul. 2022
Research Intern *Beijing, China*

- Led the research of **Video-Text Pre-training with Prompt Learning and Few-shot Learning**
- Participated in the improvement of **AutoTransition: Learning to Recommend Video Transition Effects**

Multimedia Understanding, Kuaishou Technology Oct. 2021 – Mar. 2022
Research Intern *Beijing, China*

- Led the research of **LaT: Latent Translation with Cycle-Consistency for Video-Text Retrieval**
- Participated in the testing of the **Davinci Project**, a project that retrieves relevant video clips by given texts and splices them into short videos

Professional Services

Reviewer: *ECCV 2022*, *ACCV 2022*, *CVPR 2023*

Program Committee Member: *AAAI 2023*

Patent

CN111027675A: A method and system for automatic adjustment of multimedia playback settings

Miscellaneous

Languages: Python, C, C++, LaTeX, Markdown, Matlab

Packages: PyTorch

Tools: Copilot, ChatGPT, Midjourney