

# Jinbin Bai

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## EDUCATION

<b>National University of Singapore</b> <i>M.Comp. in Artificial Intelligence, Dissertation Option</i>	Sep. 2022 – Jul. 2024 <i>Singapore</i>
<b>Nanjing University</b> <i>B.S. in Computer Science, Outstanding Graduate</i> • <b>GPA:</b> 90/100 <b>Ranking:</b> 10%	Sep. 2017 – Jul. 2021 <i>Nanjing, China</i>
<b>Shanghai Jiao Tong University</b> <i>C9 League University-sponsored Exchange Program</i>	Jan. 2020 – Jul. 2020 <i>Shanghai, China</i>

## RESEARCH INTEREST

**Computer Vision:** Video Representation, Style Transfer, Vision-Language Understanding and Generation  
**Machine Learning:** Representation Learning, Self-supervised Learning, Few-shot Learning

## PUBLICATION

- 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. 
- 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. 
- Yaqi Xie, Chen Yu, Tongyao Zhu, **Jinbin Bai**, Ze Gong, Harold Soh. *Translating Natural Language to Planning Goals with Large-Language Models*. arXiv preprint arXiv:2302.05128. 

## EXPERIENCE

<b>Intelligent Creation, ByteDance Inc</b> <i>Research Intern</i> • Led the research of <b>Video-Text Pre-training with Prompt Learning and Few-shot Learning</b> • Participated in the improvement of <b>AutoTransition: Learning to Recommend Video Transition Effects</b>	Apr. 2022 – Jul. 2022 <i>Beijing, China</i>
<b>Multimedia Understanding, Kuaishou Technology</b> <i>Research Intern</i> • Led the research of <b>LaT: Latent Translation with Cycle-Consistency for Video-Text Retrieval</b> • Participated in the testing of the <b>Davinci Project</b> , a project that retrieves relevant video clips by given texts and splices them into short videos	Oct. 2021 – Mar. 2022 <i>Beijing, China</i>
<b>Computer Vision and Computer Graphics, Nanjing University</b> <i>Research Assistant</i> • Led the research of <b>Semantic-aware Cartoon Style Transfer</b> • Led the research and development of <b>Classification of Acoustic Scenes Using Convolutional Neural Networks</b>	Oct. 2018 – Mar. 2021 <i>Nanjing, China</i>

## 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++, L<sup>A</sup>T<sub>E</sub>X, Markdown, Matlab  
**Packages:** PyTorch, diffusers