Sule BAI 白苏乐

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EDUCATION

- **Tsinghua University** *09/2023 - 06/2026*

  M.S in Artificial Intelligence | Advisor: Prof. Yansong Tang

- **Beijing University of Posts and Telecommunications** *09/2019 - 06/2023*

  B.Eng in Computer Science and Technology | Rank: Top 3%

PREPRINTS

- **UniVG-R1: Reasoning Guided Universal Visual Grounding with Reinforcement Learning**

  Sule Bai, Mingxing Li, Yong Liu, Lei Sun, Haoji Zhang, Jing Tang, Xiangxiang Chu, Yansong Tang

  Under Review NIPS | [paper] | [code]

  MLLMs   RL   Reasoning Grounding

- **Self-Calibrated CLIP for Training-Free Open-Vocabulary Segmentation**

  Sule Bai, Yong Liu, Yifei Han, Haoji Zhang, Yansong Tang, Jie Zhou, Jiwen Lu

  Under Review TIP | [paper] | [code]

  Open-world Segmentation

- **Traceable Evidence Enhanced Visual Grounded Reasoning: Evaluation and Methodology**

  Haochen Wang, Xiangtai Li, Zilong Huang Anran Wang, Jiacong Wang, Tao Zhang, Jiani Zheng,
  Sule Bai, Zijian Kang, Jiashi Feng, Zhuochen Wang, Zhaoxiang Zhang

  Under Review | [paper] | [code]

  MLLMs   RL   Reasoning Grounding

PUBLICATIONS - * denotes equal contribution

- **Narrative Action Evaluation with Prompt-Guided Multimodal Interaction**

  Shiyi Zhang*, **Sule Bai***, Guangyi Chen, Lei Chen, Jiwen Lu, Junle Wang, Yansong Tang

  CVPR 2024 | [paper] | [code]

  Video Understanding   Multimodal Learning

- **Open-Vocabulary Segmentation with Semantic-Assisted Calibration**

  Yong Liu*, **Sule Bai***, Guanbin Li, Yitong Wang, Yansong Tang

  CVPR 2024 | [paper] | [code]

  Open-world Segmentation

- **Stepping Out of Similar Semantic Space for Open-Vocabulary Segmentation**

  Yong Liu*, Song-Li Wu*, **Sule Bai***, Jiahao Wang, Yansong Tang

  ICCV 2025 | [paper]

  Open-world Segmentation

EXPERIENCE

- **Alibaba Group, ML Team** | *Research Intern*

  Focus on Multimodal LLMs and RL application; Submit a conference paper *01/2025 - 06/2025*

  Supervisor: Dr. Xiangxiang Chu

- **ByteDance, TikTok AI Center** | *Research Intern*

  Focus on Multimodal LLMs (Diffusion LLMs) and RL application *06/2025 - now*

HONORS AND AWARDS

- Outstanding Graduates of Beijing 2023
- Yingcai Scholarship of Tsinghua University (top 5%) 2024
- First class Scholarship of BUPT (top 5%) 2022, 2023

SKILLS

- Python, LaTeX, C++/C, HTML, PyTorch, Git, Docker, Linux Ops, Vim

ACADEMIC SERVICE

- Reviewer: CVPR, ECCV, NIPS, TCSVT