

# Sule BAI 白苏乐

Second-year M.S. Student  
Artificial Intelligence, Tsinghua University

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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 | [\[paper\]](#) | [\[code\]](#) | [\[project page\]](#) 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

## 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  
Supervisor: [Dr. Xiangtai Li](#), and [Dr. Anran Wang](#)

## 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

- Programming Languages: Python, MATLAB, Shell, LATEX, C++/C, HTML
- Programming Tools: PyTorch, Git, Docker, Linux Ops, Vim

## ACADEMIC SERVICE

- Reviewer: CVPR, ECCV, NIPS, TCSVT