Sule BAI 白苏乐

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

Homepage: https://sulebai.github.io/
Email: bsl23@mails.tsinghua.edu.cn
Mobile: (+86) 198-0030-9935
GitHub

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: 17/437 | GPA: 3.78/4.0

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
  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