SHANGZHE DI

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EDUCATION

Shanghai Jiao Tong University   Apr 2023 - Present

PhD student, supervised by Prof. Weidi Xie   *Shanghai, China*

Beihang University   Sep 2020 - Jan 2023

M.Eng. in Computer Science, supervised by Prof. Si Liu   *Beijing, China*

Beihang University   Sep 2016 - Jun 2020

B.Eng. in Software Engineering ⋄ GPA: 90/100 ⋄ Rank: 11/157   *Beijing, China*

Technical University of Munich   Apr 2019 - Aug 2019

Exchange program   *Munich, Germany*

PUBLICATION

Shangzhe Di and Weidi Xie. "Grounded Question-Answering in Long Egocentric Videos", in submission, 2023.

Zizheng Xun*, **Shangzhe Di***, et al. "Linker: Learning Long Short-term Associations for Robust Visual Tracking", *IEEE Transactions on Multimedia (TMM)*, 2023.

Shangzhe Di*, Zeren Jiang*, et al. "Video Background Music Generation with Controllable Music Transformer", *ACM International Conference on Multimedia (ACM MM)*, 2021, Best Paper Award.

RESEARCH EXPERIENCE

Long Video Understanding   Apr 2023 - Present

Supervised by Prof. Weidi Xie

· Concurrently solve query grounding and answering for long, egocentric videos.
· Submitted a first-author paper to CVPR 2024.

Learning Long Short-term Associations for Robust Visual Tracking   Jan 2022 - Aug 2023

Supervised by Prof. Si Liu

· Solve visual tracking by inter-frame propagation instead of the widely-used one-shot detection paradigm.
· Achieved the SOTA performance on popular benchmarks (77.5 AO on GOT-10k, 84.5 AUC on TrackingNet, etc.)
· Published a first-author paper in TMM.

Video Background Music Generation   Dec 2020 - May 2021

Supervised by Prof. Shuicheng Yan and Prof. Si Liu

· Proposed the first satisfying method for video background music generation.
· Got the best paper award at ACM MM 2021. The Github repo has received more than 200 stars.

HONORS AND AWARDS

- Best Paper Award, MM, 2021
- Best Video Award, IJCAI Video Competition, 2021
- First Prize Scholarship × 2 (Top 10%), Beihang University, 2019 & 2021
- Full Scholarship for Exchange Program, China Scholarship Council, 2019
- Special Prize Scholarship (Top 3%), Beihang University, 2018