

SHANGZHE DI

(86)15652587063 ◊ shangzhe.di@gmail.com ◊ dszdsz.cn

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 *CVPR*, 2024.

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

Shangzhe Di*, Zeren Jiang*, et al. “Video Background Music Generation with Controllable Music Transformer.” In *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, accepted by 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