SHANGZHE DI

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EDUCATION

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[*], Zeren Jiang[*], Si Liu, Zhaokai Wang, Leyan Zhu, Zexin He, Hongming Liu, Shuicheng Yan, "**Video Background Music Generation with Controllable Music Transformer**", *ACM International Conference on Multimedia (ACM MM)* 2021, Best Paper Award.

RESEARCH EXPERIENCE

Visual Tracking with Motion Cues   May 2021 - Present

Supervised by Prof. Si Liu

· Working on utilizing motion cues for robust and accurate visual tracking.
· Got 2nd place in the AntiUAV and AOT competitions at ICCV 2021.

Video Background Music Generation   Dec 2020 - Apr 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 MM 2021. The Github repo has received more than 100 stars.

Flow-based Virtual Try-On System   Oct 2019 - Nov 2020

Research Intern at Kuaishou Y-Tech

· Built a SOTA virtual try-on system with three modules: human parsing, cloth warping, and image rendering.
· Collected a large try-on dataset with 20,924 pairs of models and clothes, and rich annotations.

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