

SHANGZHE DI

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

EDUCATION

Beihang University (BUAA)

Sep 2020 - Jan 2023

M.S in Computer Science

Beijing

- First Prize Scholarship for Academic Performance

Beihang University (BUAA)

Sep 2016 - Jun 2020

B.E in Software Engineering

Beijing

- First Prize Scholarship for Academic Performance (Top 8%)
- Special Prize Scholarship for Academic Performance (Top 3%)

Technical University of Munich (TUM)

Apr 2019 - Aug 2019

Exchange program, Informatics

Munich

- CSC Scholarship

PUBLICATIONS

[1] Video Background Music Generation with Controllable Music Transformer

Shangzhe Di*, Zeren Jiang*, Si Liu, Zhaokai Wang, Leyan Zhu, Zexin He, Hongming Liu, Shuicheng Yan
ACM Multimedia, 2021 (**Best Paper Award**)

RESEARCH EXPERIENCE

Video Background Music Generation

2020.12 - 2021.04

MM'21 Best Paper

CoLab, BUAA

- Propose the first satisfying method for video background music generation.
- Establish three rhythmic relations between video and background music.
- Design a controllable music generation model.

Flow-based Virtual Try-On System

Oct 2019 - Nov 2020

Rejected by CVPR'21

Y-Tech, Kuaishou

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

Research on Facial Motion Transfer for Virtual Characters

Dec 2019 - May 2020

Bachelor Thesis

BUAA

- Use facial alignment techniques to calculate the proposed facial motion parameters from selfies.
- Change a virtual character's pose and expression by using appearance flow and alpha-blending methods.

SKILLS

Programming Languages

Python, C++

Platforms/Frameworks

Numpy, PyTorch, OpenCV

English

TOEFL 107, GRE 325