

JIANJIN XU

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EDUCATION

Tsinghua University

Aug. 2015 - present

Bachelor of Engineering(Anticipated)

Department of Computer Science & Technology

GPA: 3.14, Ranking: 96/139

RESEARCH INTERESTS

Deep neural network interpretation

Interactive generative adversarial network

Neural video stylization

RESEARCH EXPERIENCE

Frame Difference-Based Temporal Loss for Video Stylization

rejected by CVPR 2018

This paper proposes a simple method for video stylization and compared it with existing methods. User study shows our method is visually better.

The final reviews are two weak rejects and one borderline. Their major concern is that the correctness of our theory is questionable.

- I am the 2nd author, responsible for most of the implementation and experiments. The 1st author is my mentor, who helped me mainly in idea proposal and paper writing.

Neural Image Manipulator Project

October 2017 - present

This project aims at generating realistic paintings through sketches, especially the one drew by amateurs.

By 2018, we complete GAN training and set up a web UI. Our website support creation and modification of anime character faces from coarse sketches. Extensions like shoes and hangbags are also ready and will soon come online.

- This is an application-oriented club project, in which I am the leader and 1st contributor.

A simple gomoku AI based on DNN and Monte Carlo Tree Search April 2016 - July 2016

In the project, a gomoku dataset is collected, a policy network is trained and Monte Carlo Tree Search is implemented.

Our simple AI is evaluated on Renju AI, showing comparative performance.

- This is a course project and in which I am the leader and 1st contributor.