Xianyao Zhang

Joint doctoral student
Computer Graphics Lab, D-INFK, ETH Zürich, and
Disney Research｜Studios

Email: xyzhang.qd@gmail.com
Homepage: https://mkimish.github.io

Education

Ph. D. in *Computer Science*, ETH Zürich.   2019.8-present

M. Sc. in *Computer Science*, ETH Zürich (with distinction).   2017.9-2019.7
GPA: 5.96/6.0.

B. Sc. in *Intelligence Science and Technology*, Peking University (with distinction).   2013.9-2017.7
GPA: 3.76/4.0.

Professional Experience

Intern, Rendering Group, Disney Research Zürich   2018.4-2018.9
Mentor: *Dr. Jan Novak*
Project: **Denoising Monte-Carlo renderings with low sample counts**

Academic Experience

Research Assistant, Computer Graphics Lab, ETH Zürich   2018.11-2019.5
Advisor: *Dr. Marios Papas, Thijs Vogels* and *Thomas Müller*
Project: **Denoising Radiance Samples in Scene Space with Order-Independent Neural Networks** (Master Thesis)

Research Assistant, Key Laboratory of Machine Perception (MoE), Peking University   2016.11-2017.6
Advisor: *Prof. Zhouchen Lin*
Project: **Fast Multiple Affine Template Matching** (Bachelor Thesis)

Research Assistant, Key Laboratory of Machine Perception (MoE), Peking University   2016.9-2017.3
Advisor: *Prof. Zhihong Deng*
Project: **Adversarial Training against Adversarial Examples**

Research Assistant, NELVT, Peking University   2015.12-2016.11
Advisor: *Prof. Yizhou Wang*
Project: **Video Inpainting with GAN**

Teaching Assistant, Department of Computer Science, ETH Zürich   2018.9-2019.1
Course: **Computer Graphics**

Teaching Assistant, School of EECS, Peking University   2016.9-2017.1
Course: **Introduction to Computation (B)**

Projects

Game Recognition of Go (C++ with OpenCV)   2017.2-2017.6
Description: Using image processing algorithms for image recognition of Go games.

High-Quality Real-Time Video Inpainting with PixMix (MATLAB and C++, team leader)   2016.10-2017.1
Description: Reimplementation of TVCG'14 paper as a project for *Image Processing* course.

Skills

Programming

Languages: Proficient in python, MATLAB, C/C++; familiar with C#, HTML, JavaScript, LaTeX, CUDA C/C++

Toolboxes: TensorFlow, OpenCV, Torch7, CGAL, Boost Graph Library.

Languages

Chinese: native

English: fluent

German: beginner

Awards and Honors

Excellent Undergraduate of Beijing, Peking University, 2017.

Excellent Undergraduate Thesis, Peking University, 2017.

Founder Scholarship (top 5%), Peking University, 2016.

Merit Student (top 5%), Peking University, 2016.

Tung OOCL Scholarship (top 5%), Peking University, 2015.

Merit Student (top 5%), Peking University, 2015.

Founder Scholarship (top 5%), Peking University, 2014.

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