

QIANYUN WANG

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RESEARCH INTERESTS

Computer Graphics, Speech Animation, Machine Learning.

EDUCATION

University of Chinese Academy of Sciences (UCAS) , Beijing, China 2018 - Present
MS. in Computer Science and Technology GPA: 3.4/4.0

Beijing Normal University (BNU), Beijing, China 2014 - 2018
B.Eng. in Computer Science and Technology GPA: 3.6/4.0 Rank: /

EXPERIENCE

Tencent IEG Lightspeed & Quantum Studios, ShenZhen, China Apr 2020 - Aug 2020
Research Intern Manager: Dr. Chengzhu Yu

3D Emotional Talking Head

Institute of Computing Technology (ICT), CAS, Beijing, China Apr 2020 - Aug 2020
Research Assistant Advisor: Prof. Shihong Xia

- Learn the mapping of audio (MFCC&MFB) to face (68 Dlib feature points) under different emotions based on LSTM.

3D Face Reconstruction from one single image

ICT, CAS, Beijing, China Apr 2020 - Aug 2020
Research Assistant Advisor: Prof. Shihong Xia

- Reconstruct 3D face animation from 2/3D point clouds based on FaceWareHouse, adjust expressions regular terms.
- Add candidate feature points to the cheek portion on 3D model to remove the distortion caused by the side faces.
- Fit a model to the face in the background using RTS matrix, achieve the rotation and scale of a single model in VS.
- Participate in 2019 International Collegiate Competition for Brain-inspired Computing, Huawei and STS projects.

Instance Segmentation

Elite Vision, Beijing, China Apr 2020 - Aug 2020
Research Assistant Manager: Yingjie Guo

- Semi-automatic labeling. Use find contour algorithm to solve the problem of converting Mask to polygon.
- Improve existing labeling modules and improve user experience. Close to the starting point of the contour.
- Label sacks and snacks based on Labelme, Test the performance of OpenCV and Tensorflow-based on Mask-RCNN.

PUBLICATIONS

Extensive knowledge of hardware and software for IBM PC and MTS.

SKILLS

Hands on experience of Machine Learning and Neural Network libraries including Tensorflow.

Visual Studio, PhotoShop, Premiere.

Fluent in C, Matlab, Python.

Knowledge of java, HTML.

APPLETS

- Beijing Education Resource Map based on Android
- game..

HONORS AND AWARDS

Chinese Conference on Pattern Recognition and Computer Vision Outstanding Team Award 2019

“Jingshi Cup” Extracurricular Academic Science and Technology Works Competition First Prize 2017 Mathematical Contest in Modeling “Managing The Zambezi River” Honorable Mention 2017

EXTRACURRICULAR ACTIVITIES

- Language: English - Fluent, Mandarin - Native speaker
- Hobbies: Badminton, walking
- Extracurricular Activities:
 - test
 - NOI Teaching, including arrays, strings, linked lists, stacks, queues, binary trees
 - Textbook Translation *Foundations of 3D Computer Graphics*.