Ming-Ze YUAN
Computer Graphics, Computer Vision, Machine Learning | Ph.D

📍 No. 6. Kexueyuan South Road, Haidian District, Beijing 100190, China
📱 +86 18201487967   @ yuanmingze@ict.ac.cn
🔗 yuanmingze.github.io   ⑧ Google Scholar

🎓 EDUCATION

September 2014 Present	**University of Chinese Academy of Sciences (UCAS)**, BEIJING, China ❯ Ph.D. Candidate in Computer Science, Expected June 2019 ❯ Advisor : Prof. Shihong Xia
Sept 2011 Sept 2014	**China electronic technology group Corporation (CETC)**, BEIJING, China ❯ M.S. in Computer Science ❯ Advisor : Prof. Fuzhen Hao
Sept 2007 Sept 2011	**University of Electronic Science and Technology of China(UESTC)**, CHENGDU, China ❯ B.Eng. in Computer Science

📖 PUBLICATIONS

Temporal upsampling of depth maps using a hybrid camera
Ming-Ze Yuan, Lin Gao, Hongbo Fu, and Shihong Xia.
IEEE Transactions on Visualization and Computer Graphics(**TVCG**) 25, no. 3 (2019) : 1591-1602

A survey on human performance capture and animation
Shihong Xia, Lin Gao, Yukun Lai, Ming-Ze Yuan, and Jinxiang Chai
Journal of Computer Science and Technology, 32(3), 536-554.

SF-Net : Learning scene flow from RGB-D images with CNNs
Yi-Ling Qiao, Lin Gao, Yukun Lai, Fang-Lue Zhang, Ming-Ze Yuan and Shihong Xia
British Machine Vision Conference (**BMVC**), 2018

Facial Feature Points Tracking System and Simulation Analysis
Ming-Ze Yuan, and Shihong Xia
Journal of System Simulation, 2018,30(12),4618-4624

A Marker-less Motion Capture Method Combining Body Capture and Face Capture
Zhiyong, Wang, Congyi Wang, Zihao Zhang, Ming-Ze Yuan, Shihong Xia
Chinagraph 2018

📖 PATENTS

- Method and system of face animation generation driven by text voice, CN201510876078
- Method and system for deducing sudden event situation based on case, CN201510398451

💼 RESEARCH & ENGINEERING EXPERIENCE

Present May 2014	**Human Motion Research Group,Institute of Computing Technology (ICT), Chinese Academy of Sciences (CAS)**, BEIJING, P.R. China *Research Assistant* **Advisors** : Prof. Shihong Xia, Prof. Lin Gao ❯ Temporal upsampling of depth maps using a hybrid camera ❯ RGB-D scene flow estimation use optimization and CNN based method, respectively ❯ 3D model deformation and registration, model registration method based on depth point cloud ❯ Face detection, alignment and recognition method research ❯ Build RGB-D dataset with capture, time and space alignment of RGB-D data RGB-D Upsampling | Scene Flow | Optical Flow | Deformation | Registration

May 2014 September 2011	**CETC 15, Beijing, P.R. China** *Research Assistant* **Supervisor** : Fuzhen Hao (Senior Engineer) › 2D barcode coding and recognition principle research and development › Data Bus for Enterprise Resource Planning (ERP) System research and development › Optimization method of supply chain research ERP Java HTML SQL JavaScript
May 2011 September 2007	**UESTC, Chengdu, P.R. China** *Research Assistant* **Supervisor :** Prof. Guiduo Duan › Research on digital watermarking algorithm based on wavelet, DCT, etc. › Embedded microsystem development based on μC/OS-II and TI MSP430 Ti MSP 430 Embedded Systems Computer Architecture

🎓 HONORS AND AWARDS

2018	China Computer Federation (CCF) Science and Technology Award for Technical Invention First Prize, "Key Technology and Application of 3D Human Motion Modeling",
2018	UCAS - E Funda Financial Technology Scholarship
2018	Pacemaker to Merit Student of UCAS
2015	Outstanding Volunteer of CCF

☰ SKILLS

Programming	C++/C, Python, Latex, Matlab, HTML, SQL, Java, JavaScript, Assembly
Development Tools	GCC, GDB, Vim, Visual studio, Eclipse, SVN, Git
Multimedia Tools	Blender, GIMP, Inkscape, Adobe Premiere/Encoder/Photoshop, Ffmpeg
Neural Network Framework	Caffe, TensorFlow
Misc.	Computer Architecture, Principles of Operating System

66 REFERENCES

Prof. Shihong Xia	Prof. Lin Gao	Prof. Hongbo Fu
ICT	*ICT*	*School of Creative Media*
CAS	CAS	City Univ. of Hong Kong
@ xsh@ict.ac.cn	@ gaolin@ict.ac.cn	@ fuplus@gmail.com
☎ +86-010-62600852	☎ +86-010-62600845	☎ +852-3442-4302