

HSIENYU MENG
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EDUCATION

Tsinghua University

B.Eng - Major in Electronic Information Science and Technology

M.S. - Institute of HCI and Media Integration, Department of Computer Science
2019(expected)

Beijing, P.R. China

Aug. 2012 - Jul. 2016

Sep. 2016 - Jun.

ICT, Cardiff University, University of Maryland, College Park

Research Assistant, under joint supervision of [Lin Gao](#), [Yu-Kun Lai](#), and [Dinesh Manocha](#)

Duke University

Research Assistant, Carl E. Ravin Advanced Imaging Laboratories

Supervisor : [Maciej Mazurowski](#)

Durham, NC, U.S.

Jul. 2015 - Sep. 2015

PROFESSIONAL SKILLS

Computer Capability:

- Familiar with C++, MATLAB;
- Beginner in Go, CUDA, Python.
- [Personal website](#)

SELECTED PROJECTS

VV-Net : Voxel VAE Net with Group Convolutions for Point Cloud Segmentation

- Hsien-Yu Meng, [Lin Gao](#), [Yu-Kun Lai](#), [Dinesh Manocha](#)
- submitted to CVPR 2019

Video to Fully Automatic 3D Hair Model

- [Shu Liang](#), Xiufeng Huang, **Xianyu Meng**, Kunyao Chen, Linda G. Shapiro, [Ira Kemelmacher-Shlizerman](#)
- SIGGRAPH ASIA 2018, [Paper](#)

Facial Performance Capture

Jul. 2017 - Sep. 2017

- Infer the actor's 3D face given a monocular video;
- Tensorflow framework;
- Project of [Owlii](#).

Facial Animation Capture

Mar. 2017 - May. 2017

- Improve facial motion capture system for subtle cues in facial expressions, especially in areas of eyes and mouth, with point constraints and contour constraints;
- Project of [Nova Film](#).

Real Time Non-Rigid Deformation

Jun. 2016 - Nov. 2016

- Implement the keyframe prediction and nonlinear registration to deliver streamable content;
- Written in C++, applied CUDA and DSL for acceleration;
- Project of [Owlii](#).

EXPERIENCE

Courses in CS with [certificates](#):

- Probabilistic Graphical Models 1: Representation, Stanford University
- CSE167x: Computer Graphics, UCSanDiego
- Coursera deeplearning.ai specialization, Andrew Ng