

HSIEN-YU MENG

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[Website](#), [GitHub](#)

EDUCATION

University of Maryland, College Park

PhD - Computer Science

Advisor : [Prof. Dinesh Manocha](#)

Maryland, USA

Sep. 2019 - Jul. 2024 (expected)

Tsinghua University

M.Sc - Institute of HCI and Media Integration, Dept. of Computer Science

B.Eng - Electronic Information Science and Technology

Beijing, P.R. China

Sep. 2016 - Jul. 2019

Aug. 2012 - Jul. 2016

Chinese Academy of Sciences

Research Assistant, Institute of Computing Technology

Human Motion Research Group

Advised by [Prof. Lin Gao](#) and co-advised by [Prof. Dinesh Manocha](#) from UMD and [Prof. Yu-Kun Lai](#) from Cardiff University.

Beijing, P.R. China

Jun. 2018 - Dec. 2018

Duke University

Research Assistant, Carl E. Ravin Advanced Imaging Laboratories

Advisor : [Prof. Maciej Mazurowski](#)

Durham, NC, U.S

Jul. 2015 - Sep. 2015

PUBLICATION

Learning Acoustic Scattering Fields for Dynamic Interactive Sound Propagation

IEEE VR 2021

- Zhenyu Tang*, **Hsien-Yu Meng***, Dinesh Manocha. [Paper](#)

Point-based Acoustic Scattering for Interactive Sound Propagation via Surface Encoding

IJCAI 2021

- Acceptance rate 13.9%
- **Hsien-Yu Meng**, Zhenyu Tang, Dinesh Manocha. [Paper](#)

PRS-Net: Planar Reflective Symmetry Detection Net for 3D Models

TVCG 2020

- Lin Gao, Ling-Xiao Zhang, **Hsien-Yu Meng**(Second-student author), Yi-Hui Ren, Yu-Kun Lai, [Leif Kobbelt](#). [Paper](#)

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

ICCV 2019

- **Hsien-Yu Meng**, Lin Gao, Yu-Kun Lai, Dinesh Manocha. [Paper](#)

Low-frequency Compensated Synthetic Impulse Responses for Improved Far-field Speech Recognition
ICASSP 2020

- Zhenyu Tang, **Hsien-Yu Meng**, Dinesh Manocha. [Paper](#)

Video to Fully Automatic 3D Hair Model

SIGGRAPH ASIA 2018

- Shu Liang, Xiufeng Huang, **Hsien-Yu Meng**, Kunyao Chen, Linda G. Shapiro, [Ira Kemelmacher-Shlizerman](#). [Paper](#)

AWARDS AND HONORS

Dean's Fellowship, University of Maryland, College Park.

Sep. 2019

EXPERIENCE

Real Time Non-Rigid Deformation

Jun. 2016 - Dec. 2016

- Implement the keyframe prediction and nonlinear registration to deliver streamable content;
- Written in C++, applied CUDA and DSL for acceleration;
- Work as a founder engineer at [Owlii](#), a startup aims to capture holographic life.