# HSIEN-YU MENG

240-6722160

mengxy19@umd.edu

Website, GitHub


## EDUCATION

**University of Maryland, College Park** — Maryland, USA
PhD - Computer Science — *Sep. 2019 - Jul. 2024 (expected)*
Advisor : Prof. Dinesh Manocha

**Tsinghua University** — Beijing, P.R. China
M.Sc - Institute of HCI and Media Integration, Dept. of Computer Science — *Sep.2016 - Jul. 2019*
B.Eng - Electronic Information Science and Technology — *Aug. 2012 - Jul. 2016*

**Chinese Academy of Sciences** — Beijing, P.R. China
Research Assistant, Institute of Computing Technology — *Jun. 2018 - Dec. 2018*
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.

**Duke University** — Durham, NC, U.S
Research Assistant, Carl E. Ravin Advanced Imaging Laboratories — *Jul. 2015 - Sep. 2015*
Advisor : Prof. Maciej Mazurowski

## PUBLICATION

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

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. https://arxiv.org/abs/2105.08177Paper

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

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

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

- Zhenyu Tang, **Hsien-Yu Meng**, Dinesh Manocha. 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.