

# Yuming Gu

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## EDUCATION

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<b>University of Southern California</b> <i>Ph.D in Computer Science (Advised by Prof. Randall Hill &amp; Prof. Hao Li &amp; Prof. Yajie Zhao)</i>	Los Angeles, CA Aug. 2021 – Now
<b>University of Southern California</b> <i>M.S. in Computer Science (Advised by Prof. Hao Li)</i>	Los Angeles, CA Aug. 2019 – May 2021
<b>University of California, Berkeley</b> <i>Exchange Student</i>	Berkeley, CA July 2018- Aug. 2018
<b>Dalian Maritime University</b> <i>B.S. in Electrical Engineering</i>	Dalian, China Aug. 2015 – May 2019

## EXPERIENCE

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<b>Research Assistant</b> <i>USC Institute of Creative Technologies, Vision and Graphics Lab</i> <ul style="list-style-type: none"><li>Worked on AI Driven face synthesis, Conversational AI project</li><li>Processed Lightstage data to 3D mesh with Unified Topology</li><li>Reconstructed the back of a human head</li></ul>	July 2019 – Present Los Angeles, CA
<b>Research Assistant, Designer</b> <i>Chinese Academy of Sciences</i> <ul style="list-style-type: none"><li>Designed a glove that translates their sign language to speech.</li><li>Won the 2nd Place Prize in the Innovation and Entrepreneurship Challenge Cup awarded</li></ul>	Sep. 2017 – Aug. 2018 Beijing, China

## RESEARCH PUBLICATIONS & PREPRINTS

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<b>DisUnknown: Distilling Unknown Factors for Disentanglement Learning</b> Sitao Xiang, <b>Yuming Gu</b> , Pengda Xiang, Menglei Chai, Hao Li, Yajie Zhao, Mingming He IEEE International Conference on Computer Vision (ICCV), 2021.	2021
<b>One-Shot Identity-Preserving Portrait Reenactment</b> Sitao Xiang, <b>Yuming Gu</b> , Pengda Xiang, Mingming He, Koki Nagano, Haiwei Chen, Hao Li arXiv 2020	2020
<b>Protecting World Leaders Against Deep Fakes</b> Shruti Agarwal, Hany Farid, <b>Yuming Gu</b> , Mingming He, Koki Nagano, Hao Li IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2019.	2019

## RESEARCH PROJECTS

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<b>Audio Driven Radian Field</b>   <a href="#">Demo Video</a>	March 2022
<b>Mesh Guide Deformation</b>   <a href="#">Demo Video</a>	May 2022
<b>Digital Hulk Conversational AI Project</b>   <a href="#">Demo Video</a>	June 2022
<b>3D Clothes Dataset</b>   <a href="#">Demo Video</a>	May 2021
<b>Reconstructed Head Back of Light Stage Data</b>   <a href="#">Demo Video</a>	May 2020
<b>Gloves to translate sign language to speech</b>   <a href="#">Demo Video</a>	May 2018

## Professional Reviewer Service

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CVPR2021, ICCV2021, CVPR2022, ECCV2022

## TEACHING EXPERIENCE

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<b>Teaching Assistant, CSCI585: Database System</b>	Fall 2021
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## VOLUNTEER ACTIVITIES

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<b>The World Economic Forum Davos, Operation Team</b>	2019
<b>Asian ACM Programming Competition, Student Volunteer</b>	2018
<b>The World Economic Forum Davos, Excellent Student Volunteer</b>	2017