

Menglei Chai

CONTACT

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WORK EXPERIENCE

SNAP RESEARCH

SENIOR RESEARCH SCIENTIST

Jul 2017 - now

Santa Monica, CA

ADOBE RESEARCH

RESEARCH INTERN

Jun 2014 - Sep 2014

San Jose, CA

ZHEJIANG UNIVERSITY

RESEARCH ASSISTANT

Jun 2011 - Sep 2017

Hangzhou, China

EDUCATION

ZHEJIANG UNIVERSITY

PH.D. IN COMPUTER SCIENCE

Sep 2011 - Jun 2017

ZHEJIANG UNIVERSITY

B.ENG. IN COMPUTER SCIENCE

Sep 2007 - Jun 2011

AWARDS

Microsoft Fellowship (10 Awardees in Asia)	2012
National Scholarship, China	2015
National Scholarship, China	2014
National Scholarship, China	2013
Outstanding Grad. Student Award, Zhejiang University	2011
National Scholarship, China	2010
First-Class Excellent Student Award, Zhejiang University	2010

INTRODUCTION

Menglei Chai is now a senior research scientist at Snap Inc. He received his Ph.D. & B.Eng. in Computer Science from Zhejiang University in 2017 & 2011. His research interest is Computer Vision and Graphics, especially in photo manipulation and physics-based simulation.

PUBLICATIONS

- Revisiting Image Aesthetic Assessment via Self-supervised Feature Learning**
AAAI Conference on Artificial Intelligence (AAAI) 2020
Kekai Sheng, Weiming Dong, Menglei Chai, Guohui Wang, Peng Zhou, Feiyue Huang, Bao-Gang Hu, Rongrong Ji, Chongyang Ma
- End-to-End Time-Lapse Video Synthesis from a Single Outdoor Image**
IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2019
Seonghyeon Nam, Chongyang Ma, Menglei Chai, William Brendel, Ning Xu, Seon Joo Kim
- Stabilized Real-time Face Tracking via a Learned Dynamic Rigidity Prior**
ACM Transactions on Graphics (SIGGRAPH Asia) 2018
Chen Cao, Menglei Chai, Oliver Woodford, Linjie Luo
- A Data-driven Approach to Four-view Image-based Hair Modeling**
ACM Transactions on Graphics (SIGGRAPH) 2017
Meng Zhang, Menglei Chai, Hongzhi Wu, Hao Yang, Kun Zhou
- AutoHair: Fully Automatic Hair Modeling from a Single Image**
ACM Transactions on Graphics (SIGGRAPH) 2016
Menglei Chai, Tianjia Shao, Hongzhi Wu, Yanlin Weng, Kun Zhou
- High-quality Hair Modeling from a Single Portrait Photo**
ACM Transactions on Graphics (SIGGRAPH Asia) 2015
Menglei Chai, Linjie Luo, Kalyan Sunkavalli, Nathan Carr, Sunil Hadap, Kun Zhou
- A Reduced Model for Interactive Hairs**
ACM Transactions on Graphics (SIGGRAPH) 2014
Menglei Chai, Changxi Zheng, Kun Zhou
- Dynamic Hair Manipulation in Images and Videos**
ACM Transactions on Graphics (SIGGRAPH) 2013
Menglei Chai, Lvdi Wang, Yanlin Weng, Xiaogang Jin, Kun Zhou
- Single-view Hair Modeling for Portrait Manipulation**
ACM Transactions on Graphics (SIGGRAPH) 2012
Menglei Chai, Lvdi Wang, Yanlin Weng, Yizhou Yu, Baining Guo, Kun Zhou
- Adaptive Skinning for Interactive Hair-solid Simulation**
IEEE Transactions on Visualization and Graphics (TVCG) 2016
Menglei Chai, Changxi Zheng, Kun Zhou
- Cone Tracing for Furry Object Rendering**
IEEE Transactions on Visualization and Graphics (TVCG) 2014
Hao Qin, Menglei Chai, Qiming Hou, Zhong Ren, Kun Zhou
- Real-Time Patch-Based Stylization of Portraits Using Generative Adversarial Network**
ACM/EG Expressive Symposium (Expressive) 2019
David Futschik, Menglei Chai, Chen Cao, Chongyang Ma, Aleksei Stoliar, Sergey Korolev, Sergey Tulyakov, Michal Kucera, Daniel Sykora
- As-rigid-as-possible Distance Field Metamorphosis**
Computer Graphics Forum (Pacific Graphics) 2013
Yanlin Weng, Menglei Chai, Weiwei Xu, Yiyong Tong, Kun Zhou
- Hair Interpolation for Portrait Morphing**
Computer Graphics Forum (Pacific Graphics) 2013
Yanlin Weng, Lvdi Wang, Xiao Li, Menglei Chai, Kun Zhou
- Parametric Reshaping of Portrait Images for Weight-change**
IEEE Computer Graphics and Applications (CG&A) 2018
Haiming Zhao, Xiaogang Jin, Xiaojian Huang, Menglei Chai, Kun Zhou
- Surface Mesh Controlled Fast Hair Modeling**
Journal of Computer-Aided Design and Computer Graphics (JCADCG) 2012
Menglei Chai, Yanlin Weng, Qiming Hou, Zhong Ren