YI ZHOU 周易

zhou859@usc.edu
http://zhouyisjtu.github.io/

EDUCATION

Ph.D. Computer Science - University of Southern California   **08/2016 – present**

With Annenberg Fellowship
Advisor: Dr. Hao Li
Field: Computer Graphics, Vision and Deep Learning.
Topics: Deep representations for complex graphics and vision problems and creating virtual humans..

M.S. Software Engineering - Shanghai Jiao Tong University   **09/2013 – 03/2016**

Advisor – Dr. Shuangjiu Xiao
Field: Augmented Reality and Human Computer Interaction.
Topics: 6D object tracking from depth images, camera and projector calibration and projection mapping.

B.S. Software Engineering - Shanghai Jiao Tong University   **09/2009 – 07/2013**

PUBLICATIONS

- **Yi Zhou*,** Connelly Barnes*, Jingwan Lu, Jimei Yang, and Hao Li. "On the Continuity of Rotation Representations in Neural Networks." Accepted by CVPR 2019.

- **Yi Zhou**, Liwen Hu, Jun Xing, Weikai Chen, Han-Wei Kung, and Hao Li. "HairNet: Single-View Hair Reconstruction using Convolutional Neural Networks." *In Proceedings of the 15th European Conference on Computer Vision 2018, 09/2018 – ECCV 2018.*

  -The Best of the Physics arXiv (week ending June 30, 2018) by Emerging Technology from the arXiv

- **Yi Zhou***, Zimo Li*, Shuangjiu Xiao, Chong He, and Hao Li. "Auto-Conditioned LSTM Network for Extended Complex Human Motion Synthesis." *In Proceedings of the Sixth International Conference on Learning Representations* 2018, 04/2018 – ICLR 2018.

- Kyle Olszewski*, Zimo Li*, Chao Yang*, **Yi Zhou**, Ronald Yu, Zeng Huang, Sitao Xiang, Shunsuke Saito, Pushmeet Kohli, and Hao Li. "*Realistic Dynamic Facial Textures from a Single Image using GANs.*" *In Proceedings of the IEEE International Conference on Computer Vision* 2017, 10/2017 – ICCV 2017.

- **Yi Zhou**, Shuangjiu Xiao, Ning Tang, Zhiyong Wei, and Xu Chen. "Pmomo: projection mapping on movable 3D object." In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*, pp. 781-790. ACM, 2016 – CHI 2016.

INDUSTRY EXPERIENCE

Adobe   **05/2018 – 08/2018**
Research Intern
Mentor: Dr. Jingwan (Cynthia) Lu
- Topic: Human Motion Synthesis

Pinscreen   **05/2017 – 08/2017**
Research Intern
- Topic: Face tracking and facial expression retargeting in videos.

Microsoft Research Asia   **06/2015 – 09/2015**
Internet Graphics Group – Research Intern
Mentor: Dr. Xin Tong and Dr. Yue Dong
- Topic: Hair Modeling (reconstructing 3D hair model from single-view video)

Intel Asia - Pacific Research & Development Ltd   **04/2015 – 06/2015**
Software & Service Group – Developer Intern
- Developing OpenGL and DirectX sdk for 3D displays

Ericsson (Shanghai) R&D Center   **07/2012 – 01/2013**
IMS Development – Developer Intern
- Developing Gateway of IP Multimedia Subsystem (IMS)

INNOVATION AWARDS

World-wide 3rd place (Top 0.5%) at "Microsoft Imagine Cup – Azure Challenge"   **2013**
Microsoft Imagine Cup is the biggest student innovation competition in the world

World-wide 1st place at "Ericsson Application Awards"   **2012**

AWARDS
Women in Machine Learning at NIPS 2018 Travel Award
ICLR 2018 Travel Award

PATENTS
- First author - Chinese Patent: ZL 201310208253.3, filed 05/30/2013, and issued 03/02/2016.
- First author - Chinese Patent: ZL 201310208266.0, filed 05/30/2013, and issued 03/02/2016.
- First author - Chinese Patent: ZL 201310210827.0, filed 05/30/2013, and issued 12/28/2016.
- Second author - Chinese Patent: ZL 201310209941.1, filed 05/30/2013, and issued 12/28/2016.

TEACHING EXPERIENCE
TA, Digital Geometry Processing (CSCI 621)   **Spring 2017**

SERVICES
Reviewer, Siggraph Asia 2017, ACM VRST 2017, ACM VRST 2018, WiML 2018, CVPR 2019.

CODING SKILLS
C++, C#, Python, Erlang

HOBBIES
Vocal arts, ukulele, salsa, ballet and card games