

# Qi Sun

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- EDUCATION**
- PhD Candidate** Aug. 2013 - present
- Center of Visual Computing, Computer Science, Stony Brook University  
Advisor: Distinguished Professor Arie E. Kaufman
- Bachelor of Science** Aug. 2013
- Mathematics and Applied Mathematics  
Taishan Honors College, Shandong Univ. P.R. China Sep. 2010 - Aug. 2013
  - Computer Science and Technology  
Shandong Univ., P.R. China, Sep. 2009 - Sep. 2010
- PUBLICATIONS**
- Mapping Virtual and Physical Reality**  
Qi Sun, Li-Yi Wei and Arie E. Kaufman  
SIGGRAPH 2016 (Conditionally Accepted)
- Poster: Buyers Satisfaction in A Virtual Fitting Room Scenario Based on Realism of Avatar**  
Qi Sun, Seyedkoosha Mirhosseini, Ievgeniia Gutenko, Ji Hwan Park, Charilaos Papadopoulos, Bireswar Laha, and Arie E. Kaufman  
IEEE Symposium on 3D User Interfaces, 3DUI 2015
- Benefits of 3D Immersion for Virtual Colonoscopy**  
Koosha Mirhosseini, Qi Sun, Krishna Chaitanya Gurijala, Bireswar Laha, and Arie E. Kaufman  
IEEE Visualization Workshop on 3DVis 2014
- Data-Driven Human Motion Synthesis Based on Angular Momentum Analysis**  
Ping Hu, Qi Sun, Xiangxu Meng, and Jingliang Peng  
IEEE International Symposium on Circuits and Systems, IEEE-ISCAS 2013
- Modeling 3D Faces from Samplings via Compressive Sensing**  
Qi Sun, Yanlong Tang, and Ping Hu  
International Conference on Digital Image Processing, ICDIP 2013
- Kinect-Based Automatic 3D High-Resolution Face Modeling**  
Qi Sun, Yanlong Tang, Ping Hu, and Jingliang Peng  
International Conference on Image Analysis and Signal Processing, IEEE-IASP 2012
- EXPERIENCE**
- Research Assistant** Jan. 2014 - present  
Stony Brook University  
Research Interests: parameterization, non-linear rendering, point cloud processing/modeling and their applications in virtual reality and scientific visualization.
- Research Intern** Nov. 2012 - Feb. 2013

Microsoft Research Asia, Hardware Computing Group

- Worked on an audio-visual fusion project for detecting Kinect users' attention in order to optimize the device's response.
- Developed a data set for camera-based gaze estimation in remote scenario.

**Undergraduate Research Assistant**

Sep. 2010 - Nov. 2012

Research Center for HCI and VR

Shandong Univ. Jinan, P.R. China

**AWARDS**

Stony Brook Computer Science Special Chair Fellowship

2013 - 2014

Outstanding Bachelor Thesis Award of Shandong Province, China

2013

**SKILLS**

**Programming Languages:** C++, C#, Matlab, C, Shell, Python

**Libraries and Tools:** Head-Mounted Display, PCL, Numerical Optimization (Ceres, Mosek etc), Kinect, OpenGL, GLSL, CGAL,  $\text{\LaTeX}$