**Qing Xia (夏 清)**

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**EDUCATION**

Ph.D., Computer Application Technology

State Key Laboratory of Virtual Reality Technology and Systems Sept. 2012 - Now

School of Computer Science and Engineering, Beihang University Beijing, China

Ph.D., Computer Science

School of Advanced Engineering, Beihang University Sept. 2012 - Now

An elite program, only 3 in CS Beijing, China

B.E., Computer Science

School of Computer Science and Engineering, Beihang University Sept. 2008 - Jun. 2012

Recommended to the Ph.D. program without exams, top 10% Beijing, China

**PROFESSIONAL SKILLS**

* Experienced in programing with C/C++, Matlab, Python, etc.
* Expert in computer graphics and OpenGL, GLSL, etc.
* Expert in geometry processing and shape analysis, especially in shape descriptors and deformations
* Familiar with popular geometry processing libraries, such as libigl, PCL, CGAL, etc.
* Familiar with parallel computing and skillful at using CUDA and OpenMP
* Familiar with machine learning techniques, such as SVM, decision trees, neural networks, etc.
* Experienced in implementing algorithms based on research papers and academic writing

**AWARDS & HONORS**

* Excellent New Student Award Sept. 2008
* Excellent Student Award Sept. 2009
* Outstanding Graduate Award Jun. 2012
* National Graduate Scholarship Oct. 2016
* Excellent Foundation of BUAA for PhD students May 2017

**PUBLICATIONS**

**Conference**

* **Q. Xia**, S. Li, H. Qin and A. Hao. Modal Space Subdivision for Physically-plausible 4D Shape Sequence Completion from Sparse Samples. The 23rd Pacific Conference on Computer Graphics and Applications. 2015.
* L. Yang, S. Li, **Q. Xia**, A. Hao and H. Qin. A Novel Analysis-and-Simulation Approach for Detail Enhancement in FLIP Fluid Interaction. The 21st ACM Symposium on Virtual Reality Software and Technology. 2015.

**Journal**

* S. Li, **Q. Xia**, A. Hao, H. Qin and Q. Zhao. Haptics-Equipped Interactive PCI Simulation for Patient-Specific Surgery Training and Rehearsing. SCIENCE CHINA Information Sciences, (2016) 59: 103101.
* Y. Qiu, L. Yang, S. Li, **Q. Xia**, H. Qin and A. Hao. Novel Fluid Detail Enhancement based on Multi-Layer Depth Regression Analysis and FLIP Fluid Simulation. Computer Animation and Virtual Worlds, 2016, accepted.
* **Q. Xia**, S. Li, H. Qin and A. Hao. Automatic Extraction of Generic Focal Features on 3D Shapes via Random Forest Regression Analysis of Geodesics-in-Heat. Computer Aided Geometric Design, 49: 31-43, December 2016.