Qing Xia (夏 清)

No. 37, Xueyuan Road, Haidian District, Beijing, 100191
(+86) 186-0192-0416
neijiangxiaqing@gmail.com
http://hsiatsing.github.io/

EDUCATION

Ph.D., Computer Application Technology — Sept. 2012 - Now
State Key Laboratory of Virtual Reality Technology and Systems — Beijing, China
School of Computer Science and Engineering, Beihang University

Ph.D., Computer Science — Sept. 2012 - Now
School of Advanced Engineering, Beihang University — Beijing, China
An elite program, only 3 in CS

B.E., Computer Science — Sept. 2008 - Jun. 2012
School of Computer Science and Engineering, Beihang University — Beijing, China
Recommended to the Ph.D. program without exams, top 10%

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 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 Scholarship for Postgraduates — Oct. 2016

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, accepted.
- 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.