HANYU XUE

Personal Website: http://hanyux.github.io/PersonalWebsite

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EDUCATION

University of Southern California   *Aug 2014 - Nov 2014*
Computer Science
East China Normal University   *Sep 2011 - Jun 2014*
B.S. of Software Engineering
Major GPA: 3.72/4.00   Major Rank: 2/228
Overall GPA: 3.51/4.00   Mathematics Raleted GPA:3.83/4.00
Microsoft Technology Club   *Sep 2011 - Jun 2014*
Member of core technology department

HORNORS AND AWARDS

Excellent Graduate of Shanghai   (top 5%)   *Jun 2014*
National Scholarship(top scholarship for Chinese undergraduates)   (top 2%)   *Oct 2013*
Top-Grade Scholarship of East China Normal University   (top 3%)   *Oct 2012*
Excellent Student of East China Normal University   *Sep 2013*
Excellent Student of East China Normal University   *Sep 2012*
Third Prize of Hua Dong National Undergraduate Mathematical Modeling Contest   *May 2013*

PUBLICATION

Paper	Real-time Synthesis of Scale-Customizable 3D Fluid Scene
	Hanyu Xue, Hongyan Quan, Mingqi Yu
	Submitted to Computer Animation and Virtual Worlds
Paper	Construction of Simulation Environment based on Augmented Reality Technique
	Hanyu Xue, Hongyan Quan, Xiao Song, and Maomao Wu
	Published on AsiaSim 2013, Singapore, November 6-8, 2013
Paper	A Novel Technique for Fluid Simulation Environment Construction
	Hanyu Xue, Hongyan Quan, Mingqi Yu
	Submitted to Journal of Computer-Aided Design & Computer Graphics
Paper	Foreground Editing Technique to Reduce Interaction
	Hanyu Xue, Jianjun Wei, Xinhui Cheng, Hongyan Quan
	Published on MEC 2013
Paper	Fluid Surface Synthesis in Simulation Scene
	Hanyu Xue, Xinhui Cheng, Hongyan Quan, Weijie Zhao
	Published on ICCSNT 2013
Patent	A Technology of Synthesizing 3D Fluid Scene Patent Number:201310629156.1
	Hongyan Quan, **Hanyu Xue**, Mingqi Yu
Patent	Methods of Constructing 3D Fluid Scene in Real-Time
	Hongyan Quan, **Hanyu Xue**, Mingqi Yu
Copyright	Icare Aided Medical Nursing System
	Hongyan Quan, **Hanyu Xue**, Mingqi Yu

PROJECTS

3D Fluid Simulation System Based on Videos   Apr 2013 - May 2014
National Undergraduate Training Programs   *Digital Entertainment Labrotory,Shanghai,China*

· Lead a four-member team to research and develop the system.
· Research and develop speedy and steady fluid reconstruction, 3D fluid synthesis and 3D fluid smoothing technologies.

3D Ocean Scene Generation Based on Feature Analysis   Oct 2013 - Apr 2014
Shanghai Undergraduate Innovation Project   *Digital Entertainment Labrotory,Shanghai,China*

· Reconstruct ocean image and analysed fluid features.
· Research a novel pattern to synthesis arbitrary scale of ocean scene.

Icare Aided Medical Nursing System (Android Application)   Sep 2012 - Sep 2013
Core Developer   *Shanghai,China*

· Developed QR code processing module and data transmission module;
· Designed system architecture and interface.
· The system has been under trial in several communities in Shanghai.

Research and development of In-Memory Database   Aug 2012 - Oct 2012
Researcher   *Institute of Massive Computing,Shanghai,China*

· Researched architecture of in-memory database;
· Researched technologies of data compression.

TEACHING ASSISTANT EXPERIENCE

Teaching Assistant of C++ Language Programming   *Sep 2011 - Jan 2012*
Teaching Assistant of Operating System   *Mar 2012 - Jun 2012*
Teaching Assistant of Cryptology   *Sep 2012 - Jan 2013*
Teaching Assistant of Network Security   *Sep 2013 - Jan 2014*