

Ge Jin
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EDUCATION

The George Washington University, Washington, DC
D.Sc. in Computer Science **May 2007**
Dissertation: "Active Illumination based Surface Reconstruction and Registration for Image Guided Surgery"
Seoul National University, Seoul, South Korea
M.S. in Computer Science **Feb 2000**
Thesis: "An Efficient Virtual Endoscopy Using Volume Rendering Technique"
Peking University, Beijing, China P.R
B.S. in Computer Science **Jul 1997**

AWARDS

- Selective Excellence Fellowship, The George Washington University **2003 – 2007**
- Presidential Merit Scholarship, The George Washington University **2000 – 2003**
- Overseas Koreans Foundation Scholarship, Seoul National University **1998 – 2000**

TEACHING EXPERIENCE

The George Washington University, Washington, DC
Teaching Assistant – to Professor James K. Hahn in "Computer Graphics II" **Spring 2005 & 2004**
Help to answer technical questions about the lab assignment, and assisted all homework grades.
Teaching Assistant – to Professor James K. Hahn in "Computer Game Design and Programming" **Spring 2004 & 2003**
Developed game programming samples with Crystal Space, OpenGL and DirectX, and assisted all homework grades.
Teaching Assistant – to Professor James K. Hahn in "Computer Animation" **Fall 2004 & 2002**
Help to answer technical questions about the lab assignment, and assisted all homework grades.
Teaching Assistant – in "Computer Graphics Programming Tools" **Spring 2003**
Collaborated on curriculum development, lectured in OpenGL and DirectX Programming.

RESEARCH EXPERIENCE

The George Washington University, Washington, DC
Research Associate **07/01/2005-05/31/2007**
"Image Guided Medialization Laryngoplasty" Research in 3D surface reconstruction and registration for image guided medialization laryngoplasty.
The George Washington University, Washington, DC
Research Assistant **04/01/2001-03/31/2004**
Global Illumination Rendering Algorithms in Infrared Ship Signature Prediction. Research in the use of visualization for propagation of infrared energy.
The George Washington University, Washington, DC
Research Assistant **05/01/1999-11/29/2001**
"Cryotherapy Simulator for Localized Prostate Cancer". Developed technology for ultrasound image guided procedure and virtual reality simulator.
Samsung SDS, Korea

Research Assistant**1999-2000**

"Volume Visualization techniques for Samsung SDS PACS System"

*Korean Government G7 Project, Seoul National University, Korea***Research Assistant****1998-1999**

"Brain Surgery Supporting System:4th subproject : The Study on the Volume Visualization of the multiple 3D medical images"

PUBLICATIONS AND PRESENTATIONS

- Ge Jin, Sang-Joon Lee, James K. Hahn, Steven Bielowicz, Rajat Mittal, Raymond Walsh "Active Illumination based 3D Surface Reconstruction and Registration for Image Guided Medialization Laryngoplasty" SPIE Medical Imaging 2007, Feb 17-22, San Diego, USA.
- Ge Jin, Sang-Joon Lee, James K. Hahn, Steven Bielowicz, Rajat Mittal, Raymond Walsh "3D Surface Reconstruction and Registration for Image Guided Medialization Laryngoplasty" International Symposium on Visual Computing (ISVC '06), November 6-8, 2006, Lake Tahoe, USA.
- Ge Jin, James Hahn "High Resolution Video from Series of Still Photographs" International Symposium on Visual Computing (ISVC '06), November 6-8, 2006, Lake Tahoe, USA.
- Ge Jin, James Hahn "Adding Hand Motion to the Motion Capture Based Character Animation" International Symposium on Visual Computing (ISVC '05), December 5-7, 2005, Lake Tahoe, USA.
- GERALYN M. SCHULZ, James Hahn, Ge Jin, Jared Kiraly, Bahne Carstens, Brigitta Carstens, "Translation of 3-D articulatory signals acquired by electromagnetic articulography to a visual display of lingual movements for biofeedback: Preliminary results", Conference on Speech Motor Control, March 23-26, 2006, Austin, Texas, USA.
- James Hahn, Michael Manyak, Ge Jin, Dongho Kim, John Rewcasle, Sunil Kim, and Raymond Walsh, "Cryotherapy Simulator for Localized Prostate Cancer," Medicine Meets Virtual Reality (MMVR '02), January 23-26, 2002, Newport Beach, California, USA.
- Ge Jin, Jaebum Lee, Yeong Gil Shin, and James Hahn, "Cryotherapy for Localized Prostate Cancer," Proceeding of HCI2000 Conference Vol.9 No.1, 2000.1.
- Shin Byeong Seok, Jin Ge, Yongil Shin, Jong Hyo Kim "An Efficient Virtual Endoscopy System for Stereotactic NeuroNavigation" APCMBE 99 conference in Seoul, Korea, September 12-15,1999.
- Jae-Jeong Choi, Jin Ge, Yeong Gil Shin "Development of 3D Multi-Volume Visualization for Stereotactic Surgery" Proceedings of The 25th KISS Fall Conference Volume 25 Issue 2 pp. 612-614, October 30-31. 1998. Suwon Korea.
- Ge Jin, Graphics Seminar Series at University of Maryland College Park. "Active Illumination based 3D Surface Reconstruction and Registration for Image Guided Medialization Laryngoplasty" Feb 26 2007.

REVIEWER

- SIGGRAPH/Eurographics Symposium on Computer Animation(SCA) 2007
- Medical Image Computing and Computer Assisted Intervention(MICCAI) 2007
- Medical Image Computing and Computer Assisted Intervention(MICCAI) 2006

LANGUAGES

- Korean – native language
- Chinese – native language
- English – speak fluently and read/write with high proficiency

MEMBERSHIPS

- IEEE Computer Society
- ACM SIGGRAPH
- Medical Image Computing and Computer Assisted Intervention (MICCAI)
- The International Society for Optical Engineering (SPIE)