

HEZHAO

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EDUCATION

- 2009 - 2011 University of Edinburgh, Edinburgh, Scotland
MSc in Informatics (in Progress)
RWTH Aachen University, Aachen, Germany
MSc in Media Informatics
European Master in Informatics double degree program
- 2005 - 2009 Zhejiang University, Hangzhou, China
BEng (Hons) in Computer Science
Thesis: *Integrating Augmented Sense Experiences Into Interactive Toys* (in Chinese)
Thesis supervisor: Gang Pan
- 2007 Winter Czech Technical University, Prague, Czech Republic
Exchange student at Faculty of Electrical Engineering

WORK EXPERIENCE

- 2008 - 2009 Pervasive Computing Group, CCNT Lab, Zhejiang University
Student Assistant
Research on new methods of Human-Computer Interaction
- 2008 Spring State Key Lab of CAD&CG, Zhejiang University
Student Assistant
Designed and developed a software of 3D model surface simplification based on quadric error metrics algorithm and progressive meshes method for TyrMMR, a large-scale scene rendering system

PROJECTS

- 2009, **Bubble Journey**, a game platform where users control the avatar in flash game by blowing a real handle
- 2009, **Run Chicken Run**, a game platform where users can interact with hacked toy chicken by flapping arms
- 2008, **Wii Drum High**, integrating Nintendo Wii Remote and other accessories to simulate a complete drum set
- 2008, **Progressive Meshes**, a surface simplification software which produces high-quality approximations of triangle progressive meshes models

PUBLICATIONS

- F. Ying, M. Ye, P. Zhu, **Z. He**, L. Yao and Y. Shi. **Run Chicken Run: Physical metaphor augmented wearable movement-based interaction**. In *UIST '09: Extended Abstracts of the 22nd Annual ACM Symposium on User Interface Software and Technology*, Victoria, BC, Canada, October 2009.
- F. Ying, P. Zhu, M. Ye, J. Chen, **Z. He** and Y. Pan. **Bubble Journey: Multimodal Input Tools Design to Augment Sense Experience in Computer Game**. In *Advanced Materials Research*, Vol. 102-104, pp. 326-330, 2010.

HONORS & AWARDS

- 2009-2011, Erasmus Mundus Scholarship (€42,000)
- 2009, Best Thesis Award, Zhejiang University
- 2007, Equitrader Capital Quest 2007 A Winner
- 2007, Equitrader Collegiate Challenge 8th place in the Algorithm Competition
- 2007, Zhejiang University Academic Scholarship Third Class
- 2006, Zhejiang University Academic Scholarship Second Class

SKILLS

- Programming** C/C++, HTML/CSS, OpenGL, MATLAB, Python, C#, Java, PHP, LaTeX, Processing
- Design** Photoshop, InDesign, Sony Vegas
- Hardware** Arduino, Basic electronics and sensors