

Tao Hou

The Ohio State University
Computer Science & Engineering

Email: hou.332@osu.edu
Phone: (614) 404-1696

Education	The Ohio State University Ph.D., Computer Science & Engineering GPA(1st year): 4.0/4.0	2016.8 – now
	Tsinghua University, China M.E., Software Engineering GPA: 83.18/100 Fields: Computer Graphics, Geometrical Modeling	2010.8 – 2013.7
	Beijing Institute of Technology, China B.E., Software Engineering GPA: 86.85/100	2006.9 – 2010.7
Thesis	“A Research on Massive Mesh Simplification and Parallel Iso-surface Extraction” Master’s thesis. On my own, I designed an on-the-fly iso-surface simplification algorithm for massive datasets, and a parallel iso-surface extraction algorithm with the whole set of parallel octree building and traversal methods, using a simplicial partition approach for extraction.	
Publications	Tao Hou and Li Chen. On-the-fly simplification of large iso-surfaces with per-cube vertex modifiability detection. Journal of Visualization.	
Employment	Member of Technical Staff, EUC, VMware (China)	2015.7 – 2016.7
	Senior R&D Engineer, Complex Search, Baidu	2013.9 – 2015.6
Skills	C/C++, Python, Java, CUDA, LaTeX, Shell Linux/Windows Programming	