

Tao Hou

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Computer Science & Engineering

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Education	The Ohio State University	2016.8 – now
	Ph.D., Computer Science & Engineering GPA(1st year): 4.0/4.0	
	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” <i>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.</i>	
Working Experience	Member of Technical Staff, EUC, VMware (China)	2015.7 – 2016.7
	<i>Developing features for the PCoIP protocol, which is the core module for VMware’s Remote Desktop Application Horizon View.</i> Senior R&D Engineer, Complex Search, Baidu	2013.9 – 2015.6
	<i>Developed a modified framework for the online search module servicing special search results.</i>	
Teaching Assistant	CSE2111: Spreadsheets & DBs, Lab Instructor, Spring 2017 CSE2321: Discrete Structures, Grader, Autumn 2016 CSE2321: Algorithms, Grader, Autumn 2016	
Publications	Tao Hou and Li Chen. On-the-fly simplification of large iso-surfaces with per-cube vertex modifiability detection. Journal of Visualization.	
Skills	C/C++, Python, Java, CUDA, LaTeX, Shell Linux/Windows Programming	