

# Tao Hou

The Ohio State University  
Computer Science & Engineering

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Education	<b>The Ohio State University</b> Ph.D., Computer Science & Engineering GPA(1st year): 4.0/4.0	2016.8 – now
	<b>Tsinghua University, China</b> M.E., Software Engineering GPA: 83.18/100 Fields: Computer Graphics, Geometrical Modeling	2010.8 – 2013.7
	<b>Beijing Institute of Technology, China</b> 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, <b>VMware (China)</b> <i>Developing features for the PCoIP protocol, which is the core module for VMware’s Remote Desktop Application Horizon View.</i>	2015.7 – 2016.7
	Senior R&D Engineer, Complex Search, <b>Baidu</b> <i>Developed a modified framework for the online search module servicing special search results.</i>	2013.9 – 2015.6
Teaching Assistant	CSE2111: Spreadsheets & DBs, Lab Instructor, Spring 2017 CSE2321: Discrete Structures, Grader, Autumn 2016 CSE2331: Data Structures & Algorithms, Grader, Autumn 2016	
Publications	Tao Hou and Li Chen. <b>On-the-fly simplification of large iso-surfaces with per-cube vertex modifiability detection.</b> Journal of Visualization 19.4 (2016): 715-726.	
Skills	C/C++, Python, Java, CUDA, LaTeX, Shell Linux/Windows Programming	