

Haixiang Liu

PERSONAL DETAILS

<i>Birth</i>	May 19th, 1991
<i>Address</i>	135 S Hancock ST, Apt 304, Madison, WI
<i>Phone</i>	(608) 320 6837
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EDUCATION

Ph.D. of Computer Sciences 2012-Present
University of Wisconsin - Madison
Area of Research - High efficiency Numerical Solvers for Large Scale Sparse Linear Systems.
Minor in Mechanical Engineering

BSc. Computer Science and Applied Mathematics 2007-2011
Hong Kong University of Science and Technology

WORK EXPERIENCE

Research Intern 2016 Summer
Disney Animation Studio, Internship
Develop an adaptive FEM simulation for animation production

SKILLS

<i>Languages</i>	Chinese (mother tongue) English (fluent)
<i>Programing languages</i>	C++, CUDA, JAVA, MATLAB
<i>Education</i>	Fluid Dynamics, Continuum Mechanics, Finite Element Method Multigrid Method, Linear Algebra, Numerical Solvers

PUBLICATIONS

M. Aanjaneya*, M. Gao*, **H. Liu**, C. Batty, E. Sifakis "Power Diagrams and Sparse Paged Grids for High Resolution Adaptive Liquids" ACM Transactions on Graphics 36:4 (Proceedings of ACM SIGGRAPH), 2017

H. Liu, N. Mitchell, M. Aanjaneya, E. Sifakis "A scalable Schur-complement fluids solver for heterogeneous compute platforms" ACM Transactions on Graphics 35:6 (Proceedings of ACM SIGGRAPH Asia), 2016

REFERENCES

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