

Fen Zhao

CONTACT INFORMATION 142 Ayrshire Farm Ln, Apt 101 Voice: (650) 804-0356
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EDUCATION **Stanford University**, Stanford, CA
Graduate GPA: 3.9/4.0
Ph.D. Candidate, Applied Physics (expected graduation date: December 2009)
Masters of Science, Applied Physics, September 2007

Massachusetts Institute of Technology, Cambridge, MA
Undergraduate GPA: 4.9/5.0
B.S., Physics, May, 2000
B.S., Mathematics for Computer Science, May, 2000

RESEARCH AND TEACHING EXPERIENCE **Stanford University**, Stanford, CA
Research Assistant

- Abel Computational Astrophysics Group (KIPAC), April 2005 - Present.
- Fedkiw Computer Graphics Group, December 2004 - April 2005.
- Yamamoto Quantum Information Science Group, September 2004 - January 2005

Massachusetts Institute of Technology, Cambridge, MA
Undergraduate Research Assistant

- MIT Center for Theoretical Physics, May 2003 - June 2004.
- X-Ray Timing Explorer, Summer 2002.
- Gas Research and Development (Laboratory for Nuclear Science), January 2002 - May 2002
- Man Vehicle Lab (MIT Center for Space Research & NASA), Summer 2001
- MIT Magnetic Materials Group, January 2001 - June 2001,

Teaching Experience
As a lab assistant and grader for courses such as Quantum Mechanics III, Structure and Interpretation of Computer Programs, and Software Design, I had to conduct test reviews, work with students individually on their homework, and develop fair grading schemes.

ACTIVITIES I have been the elected School of Natural Science representative in the Stanford Graduate Student Council for the past two years. In this position I help make decisions allocating \$140,000 of student fee funds to campus groups, advocate for student issues with Stanford administration, and organize events for the graduate population to foster community. As the chair of the GSC Legislative Action Committee, I work with the National Association of Graduate and Professional Students to lobby Congress for various legislation beneficial to graduate students. In 2006-2007 I was also the GSC Social Programming Coordinator and managed a budget of over \$30,000 to organise and lead numerous social events, the largest with over 1000 participants. I am also a Community Associate for my campus residence, and a board member of the Stanford Film Society.

PUBLICATIONS Fen Zhao, Marcelo Alvarez, and Tom Abel. The Biermann Battery and Early Structure Formation, AIP Conf. Proc. 990, 39 (2008), DOI:10.1063/1.2905616

Zhao, Fen. 2004. Spatial search by quantum walk with a randomized local start state, B.S Thesis. Massachusetts Institute of Technology.