

Joseph Wasem
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Professional Interests

Research Position. Interests include theoretical physics in the areas of nuclear physics and lattice QCD, and financial analysis with an emphasis on equities.

Education

California Institute of Technology, BS Physics 2005. Cumulative GPA of 3.8.
University of Washington, PhD Physics, expected 2009. Cumulative GPA of 3.85.

Work History

- June 06-Present **Predocctoral Research Assistant.** University of Washington Physics Dept., Seattle, WA
- Work with Dr. Martin Savage on chiral perturbation theory calculations pertinent to lattice QCD calculations. Published work at <http://arxiv.org/abs/0706.3731>
- June 05-Sept 05 **Lawrence Livermore National Laboratory Summer Intern.** Livermore, CA
- Worked with Dr. Max Tabak on numerical simulations of fast electron in plasma.
- June 04-Sept 04 **Summer Undergraduate Research Fellow (SURF) 2004.** Caltech, Pasadena, CA
- Worked with Dr. Mark Wise on a variational wavefunction solution to determine the mass and stability of pentaquark states.
- June 03-Sept 03 **SURF 2003.** Caltech, Pasadena, CA
- Worked with Dr. Emyln Hughes (Physics) on generalized design and feasibility study for an orbital particle accelerator.
- Jan 02-Dec 02 **Ph11 Research Program/SURF 2002.** Caltech, Pasadena, CA
- Worked with Dr. David Stevenson on the possibility of a lunar/tidal forces explanation for Venus's current spin state.
- Aug 99-Aug 01 **Research Assistant.** Washington State University, Pullman, WA
- Research assistant under Dr. Dickinson researching generation of transient electrical current during tribological wear.
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Miscellaneous

Recipient UW Physics Dept. Karrer Scholarship 2006, Caltech Upperclass Merit Award 2003, 2004. Goldwater Scholar, 2003. Ruddock House (Caltech residence hall) Treasurer, 2003, 2004. Member of Caltech Golf Team, 2001-2004.

Complete transcripts and references available upon request.