

# JASON A. WOLFE

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523 Soda Hall  
Computer Science Division  
University of California, Berkeley  
Berkeley, CA 94720 USA

(510) 967-2809  
jawolfe@cs.berkeley.edu  
<http://www.cs.berkeley.edu/~jawolfe/>

- RESEARCH INTERESTS
- ◇ **Planning and Search:** hierarchical planning, abstraction, meta-level control.
  - ◇ **Machine Learning:** (hierarchical) reinforcement learning, distributed learning, NLP.
- EDUCATION
- ◇ **University of California, Berkeley**, (Aug 2005 - est. Aug 2010)  
*Ph.D. in Computer Science*, advisor Stuart J. Russell.
  - ◇ **University of California, Berkeley**, GPA 3.98 / 4.0 (Aug 2000 - May 2004)  
*B.S. in Electrical Engineering & Computer Science*, Highest Honors.  
*B.A. in Cognitive Science*, Highest Distinction in General Scholarship.
- EXPERIENCE
- ◇ **Graduate Student Researcher**, *UC Berkeley*, Berkeley, CA (Aug 2005 - present)  
Researched partially observable games. Ongoing research in hierarchical planning.
  - ◇ **Intern**, *Google*, Mountain View, CA (Summer 2007)  
Improved quality of machine translation for resource-poor language pairs.
  - ◇ **Intern**, *Agilent Labs*, Palo Alto, CA (Summer 2002)  
Implemented system for distributed cellular network data collection and analysis.
  - ◇ **Intern**, *Pharmacia*, St. Louis, MO (Summers 2000 & 2001)  
Built business productivity and software automation tools; audited application security.
  - ◇ **Consulting**, *Various* (Dec 1999 - present)  
Designed, implemented, and maintained numerous large database-backed web sites.
- SELECTED PUBLICATIONS
- ◇ Bhaskara Marthi, Stuart Russell, and Jason Wolfe. “Angelic Hierarchical Planning: Optimal and Online Algorithms.” In *International Conference on Automated Planning and Scheduling*, 2008.
  - ◇ Jason Wolfe, Aria Haghighi, and Dan Klein. “Fully Distributed EM for Very Large Datasets.” In *International Conference on Machine Learning*, 2008.
  - ◇ Bhaskara Marthi, Stuart Russell, and Jason Wolfe. “Angelic Semantics for High-Level Actions.” In *International Conference on Automated Planning and Scheduling*, 2007.
  - ◇ Stuart Russell and Jason Wolfe. “Efficient Belief-State AND-OR Search, with Application to Kriegspiel.” In *International Joint Conferences on Artificial Intelligence*, 2005.
  - ◇ Gavin E. Crooks, Jason Wolfe, and Steven E. Brenner. “Measurements of Protein Sequence-Structure Correlations.” *Proteins*, 57(4):804–810, Jun 2004.
- PROGRAMMING
- ◇ Ranked 26th worldwide in 2005 TopCoder Open competition. Skilled in Common Lisp, Java, C++, JavaScript, ASP, SQL,  $\LaTeX$ , competent in many other languages.