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RESEARCH INTERESTS

Planning and Search: hierarchical planning, abstraction, robotics.

Machine Learning: (hierarchical) reinforcement learning, distributed learning, NLP.

EDUCATION

University of California, Berkeley, (Aug 2005 - est. May 2011)
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)
Researching partially observable games, machine learning, hierarchical planning.

Intern, *Willow Garage*, Menlo Park, CA (Summer 2009)
Extended and applied hierarchical planning research to robotic tasks.

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 productivity and software automation tools; audited application security.

Consulting, *Various* (Dec 1999 - present)
Designed, implemented, and maintained a variety of 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.

SELECTED AWARDS

Siebel Scholar, class of 2010

On-site Finalist, 2006 Google Code Jam international programming competition

26th place, 2005 TopCoder Open international programming competition