Trevor Standley

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Education

◆ **The University of California, Berkeley**
  B.S. in Electrical Engineering and Computer Science (May 2008)—3.73 GPA
◆ **The University of California, Los Angeles**
  M.S. in Computer Science (June 2010)—Recipient of the department's *Outstanding Master's Student* Award

Employment History

Software Engineer—Google Inc., 2010-Present. Google Display Network Reserve Team
Graduate Student Researcher—Heuristic Search Group, UCLA, Spring 2010. Advisor: Richard E. Korf
Graduate Student Researcher—Automated Reasoning Group, UCLA, Winter 2009. Advisor: Adnan Darwiche
Teaching Assistant—For Computer Graphics (CS 184) at UC Berkeley, Spring 2008. Professor: James O'Brien

Publications

◆ Trevor Standley and Richard Korf. **Complete Algorithms for Cooperative Pathfinding Problems.** In *IJCAI*. 2011.
◆ Trevor Standley. **Finding Optimal Solutions to Cooperative Pathfinding Problems.** In *AAAI*, pages 173-178. 2010.
◆ Arthur Choi, Trevor Standley and Adnan Darwiche. **Approximating Weighted Max-SAT Problems by Compensating for Relaxations.** In *CP*, pages 211-225, 2009

Skills/Experience

Software Engineering

◆ C++ Programming (10 years)
◆ C++ Standard Template Library
◆ Java, C, and Python Programming
◆ x86 Assembly
◆ OpenGL and Computer Graphics
◆ Code Optimization Techniques
◆ OpenMP and Multithreading

Extensive Working Knowledge

◆ Physics Based Animation
◆ Artificial Intelligence
  - Heuristic Search Techniques
  - Neural Networks
  - Bayesian Networks
◆ Computer Science Theory
◆ Numerous Software Application

Leadership & Organizational Experience

◆ Scholastic Clubs and Organizations (selected):
  - External Relations Officer of the Berkeley Chapter of the National Engineering Honor Society Tau Beta Pi, 2007.
  - Founder and Vice President of the Moorpark College Engineering Club, 2005.
◆ Leader of Moorpark College's 2005 ACM Programming Contest Team
◆ Community Recycling Program Volunteer
◆ Awarded $512 in the UCLA computer science department's 'So You Think You Can Present' contest for 2010.
◆ Leader of the Winning Team in Berkeley's Annual Pac-Man AI contest 2007.
◆ Game Programming Projects (More Information on My Website)

Relevant Courses

◆ University of California, Los Angeles:
  CS 131 - Programming Languages
  CS 261 - Heuristic Search
  CS 262 - Reasoning with Partial Beliefs
  CS 263A - Natural Language Processing
  CS 264 - Automated Reasoning
  CS 260 - Machine Learning Theory
◆ University of California, Berkeley:
  CS 161 - Security & Cryptography
  CS 162 - Operating Systems
  CS 172 - Computability and Complexity
  CS 174 - Randomized Algorithms
  CS 184 - Computer Graphics
  CS 188 - Artificial Intelligence
  CS 270 - Advanced Algorithms
  CS 278 - Machine Based Complexity Theory