

JIE TANG

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EDUCATION

University of California, Berkeley 9/2008-Present

PhD student, EECS Department. Coursework: robotics, convex optimization, computer vision, statistical learning theory, Bayesian inference, algorithms and data structures.

Harvard University 9/2004-6/2008

Bachelor of Arts in Computer Science and Economics. Graduated *magna cum laude* with Highest Honors.

RESEARCH EXPERIENCE

Researcher - Robot Learning Lab, UC Berkeley 1/2009-Present

Main research interests: machine learning, with application to robotics and control; reinforcement learning; learning from demonstration; autonomous helicopter flight. (<http://www.eecs.berkeley.edu/~jietang>)

Technical Director, President - RFC Cambridge 9/2006-6/2008

Harvard-MIT Robocup team. Developed AI for soccer-playing robots; created vision system for object / movement detection and pattern recognition; worked on control loops and simulation tools.

Undergraduate research assistant - Harvard EconCS lab 9/2006-6/2008

Worked on a system for managing grid resources using virtual currency and online markets.

TEACHING EXPERIENCE

Graduate Student Instructor - Berkeley EECS CS188: Introduction to AI Spring 2010, Fall 2010

Taught search, constraint satisfaction, game playing, MDPs, reinforcement learning, Bayes nets, HMMs.

Teaching Fellow - Harvard DEAS CS182: Intelligent Machines Fall 2007

Taught search, constraint satisfaction, game theory, logic, distributed multi-agent optimization.

WORK EXPERIENCE

Software engineering intern - Facebook, Inc. 6/2008-9/2008

Designed and implemented streamlined news feed event logging system.

Dev intern - Liquid Machines, Inc. 6/2007-9/2007

Designed and implemented recording / playback testing tool for proprietary rules engine / expert system for document-security, control and auditing software; wrote knowledge representation rules for CAD applications.

Analyst intern - Jane Street Capital 6/2005-9/2005

Conducted data mining / analysis and market research, trading equities and futures.

AWARDS

- NDSEG Fellow 2009 (175 fellowships out of 2527 applicants in CS since 2001)
- Hoopes Prize 2008 (Senior Thesis award, 80/1600 students. One of four awarded in math / CS that year)
- Harvard College Scholar 2005, 2007 (Top 10% of class by GPA)
- Detur Prize Winner 2005 (Top 10% of first-year class by GPA)
- Herchel Smith Fellow, Summer 2006 (summer research fellowship)

LANGUAGES

Python, Java, C++, C#, Lisp, Scheme, C, Emacs-Lisp, Haskell.

REFERENCES

Available upon request.