

## Lev Reyzin

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### Education

Yale University, New Haven, CT

- Ph.D. student in Computer Science (started 2005)
- M.S. (2006) in Computer Science
- research areas: computational learning theory, machine learning

Princeton University, Princeton, NJ

- B.S.E. (2005) in Computer Science, with Honors
- Certificate (2005) in Applied and Computational Mathematics

### Research and Employment Experience

- Yale University - Research Assistant (Spring 2006 - present)
- Google Research (Mountain View, CA) - Research Intern (Summer 2007)
- Google News (Mountain View, CA) - Research Intern (Summer 2006)
- Goldman Sachs (New York, NY) - Technology Analyst (Summer 2004)
- Princeton University - PURE Summer Research Program and Undergraduate Research (Summer 2003, Fall and Spring 2004)

### Teaching and Advising Experience

Yale University, New Haven, CT

- Teaching fellow for CPSC 365 - Design and Analysis of Algorithms (Spring 2007 and Spring 2008)
- Teaching fellow for CPSC 202 - Mathematical Tools for Computer Science (Fall 2006)

Princeton University, Princeton, NJ

- Lab teaching assistant for introductory computer science courses (2003–2005)
- Engineering School advisor for incoming freshmen (2004–2005)

### Selected Awards

- Best Student Paper - Conference on Learning Theory (COLT), 2007
- NSF Graduate Research Fellowship, 2007–2010
- Yahoo! Research Kern Family Scholarship, 2006–2007
- Best Student Paper - International Conference on Machine Learning (ICML), 2006

## Journal Publications

Dana Angluin, James Aspnes, Jiang Chen, and Lev Reyzin. **Learning Large-Alphabet and Analog Circuits with Value Injection Queries.** To appear in the *Machine Learning Journal, COLT 2007 Special Issue* (MLJ).

Lev Reyzin, Nikhil Srivastava. **On the Longest Path Algorithm for Reconstructing Trees from Distance Matrices.** In *Information Processing Letters, Volume 101, Issue 3* (IPL), February 2007.

## Conference Publications

Dana Angluin, James Aspnes, Lev Reyzin. **Optimally Learning Social Networks with Activations and Suppressions.** To appear in the *Proceedings of the 19th International Conference on Algorithmic Learning Theory* (ALT), 2008.

Dana Angluin, James Aspnes, Jiang Chen, David Eisenstat, and Lev Reyzin. **Learning Acyclic Probabilistic Circuits Using Test Paths.** To appear in the *Proceedings of the 21st Annual Conference on Learning Theory* (COLT), July 2008.

Lev Reyzin and Nikhil Srivastava. **Learning and Verifying Graphs Using Queries with a Focus on Edge Counting.** In the *Proceedings of the 18th International Conference on Algorithmic Learning Theory* (ALT), 2007.

Dana Angluin, James Aspnes, Jiang Chen, Lev Reyzin. **Learning Large-Alphabet and Analog Circuits with Value Injection Queries.** In the *Proceedings of the 20th Annual Conference on Learning Theory* (COLT), 2007. Winner of the Best Student Paper Award.

Lev Reyzin, Robert E. Schapire. **How Boosting the Margin Can Also Boost Classifier Complexity.** In *Proceedings of the 23rd International Conference on Machine Learning* (ICML), 2006. Winner of the Best Student Paper Award.

## Workshop Papers and Technical Reports

Lev Reyzin. **2 Player Tetris is PSPACE Hard.** In *Abstracts of the 16th Annual Fall Workshop on Computational Geometry* (FWCG), 2006

Lev Reyzin. **Lower Bounds on the VC Dimension of Unions of Concept Classes.** *Yale University Technical Report 1349* YALEU/DCS/TR-1349, April 2006

## Talks

Yahoo! Research, New York, NY, 2008

Machine Learning and Friends Lunch, University of Massachusetts Amherst, 2007

Yahoo! Research Key Technical Challenges Conference, Santa Clara, CA, 2007 (*short talk*)

Conference on Learning Theory, San Diego, CA, 2007

Machine Learning Symposium, New York Academy of Sciences, 2006 (*short talk*)

International Conference on Machine Learning, Pittsburgh, PA, 2006

Machine Learning Reading Group, Princeton University, 2006

Graduate Student Theory Group, Yale University, 2005, 2006, 2007, and 2008

### **Professional Activities, Memberships, and Service**

- Clique, the Yale Theory Colloquium (2005–present), Organizer (2007–present)
- Reviewer for: the Journal of Machine Learning Research (2007, 2008), Transactions on Pattern Analysis and Machine Intelligence (2008), and the Symposium on the Theory of Computing (2008)
- Sigma Xi, Associate Member (2005–present)
- Association for Computing Machinery (2007–present)
- Princeton Alumni Schools Committee of South Jersey (2005–present)