

Dan Leyzberg

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Education

Ph.D. Computer Science, Yale University, 2014. **(Expected)**

Dissertation: Assessing Individual Learning Differences for Robot Tutors

Committee: Brian Scassellati, Dana Angluin, Drew McDermott, and Andrea Thomaz. **(In Progress)**

M.S. Computer Science, Yale University, 2009,

B.S. Computer Science and Mathematics (Dual), *Summa Cum Laude*,
Rensselaer Polytechnic Institute, 2007.

Teaching Experience

Hamden Hall Country Day School

AP Computer Science. Teacher. 2008-2009, 2009-2010, 2010-2011, 2011-2012.

Computer Science Principles. Teacher. 2009-2010, 2010-2011, 2011-2012, 2012-2013.

Responsible for course content, syllabus, lectures, homework, tests, and grading.

Hamden Hall Country Day School Summer Academy

Introduction to Robotics. Teacher. Summer 2011, Summer 2012.

Responsible for course content, syllabus, and lectures.

Yale University

Introduction to Programming, Fall 2010. Teaching Assistant for Prof. Drew McDermott.

Introduction to Computer Science, Spring 2010. Teaching Assistant for Prof. Holly Rushmeier.

Artificial Intelligence, Fall 2009. Teaching Assistant for Prof. Brian Scassellati.

Responsible for office hours, grading, and review sessions.

Rensselaer Polytechnic Institute

Data Structures & Algorithms, Spring 2006. Teaching Assistant for Prof. Malik Magdon-Ismael.

Responsible for one-on-one office hours.

Research Experience

Yale University, Department of Computer Science

Research Assistant, Fall 2007–Present.

Advisor: Prof. Brian Scassellati.

Member of the Social Robotics Lab.

Rensselaer Polytechnic Institute, Department of Computer Science

Undergraduate Research Assistant, Fall 2005–Spring 2007.

Advisors: Prof. Mark Goldberg, Prof. Malik Magdon-Ismael, and Prof. Dave Hollinger.

Theory research; developed novel algorithm to find minimum spanning trees for sparse random graphs.

Publications

Journal Articles

E. S. Kim, L. D. Berkovits, E. P. Bernier, D. Leyzberg, F. Shic, R. Paul, and B. Scassellati. **Social Robots as Embedded Reinforcers of Social Behavior in Children with Autism.** Journal of Autism and Developmental Disorders, 2012.

Conference Papers

D. Leyzberg, S. Spaulding, M. Toneva, and B. Scassellati. (2012). **The Physical Presence of a Robot Tutor Increases Cognitive Learning Gains.** In: N. Miyake, D. Peebles, and R. P. Cooper (eds.), Proceedings of the 34th Annual Conference of the Cognitive Science Society (CogSci 2012), 1882-1887. Austin, TX: Cognitive Science Society. Sapporo, Japan, August 1-4.

D. Leyzberg, E. Avrunin, J. Liu, and B. Scassellati. (2011) **Robots That Express Emotion Elicit Better Human Teaching.** In Proceedings of the 6th ACM/IEEE International Conference on Human Robot Interaction (HRI '11).

E. S. Kim, D. Leyzberg, K. M. Tsui, and B. Scassellati. (2009) **How People Talk When Teaching a Robot.** In Proceedings of the 4th ACM/IEEE International Conference on Human Robot Interaction (HRI '09).

Talks & Panels

Panel Session on Nifty Assignments: Asteroids Arcade Game Assignment

39nd ACM Technical Symposium on Computer Science Education (SIGCSE) 2008, Portland, OR.

Industry

UBS Financial Inc., Quality Assurance Internship. Summer 2005.

Professional Activities

Reviewer for: *Epigenetic Robots 2010, Human-Robot Interaction 2009, 2010, 2011, 2012, 2013, 2014.*

Departmental Service: Graduate Teaching Liaison, 2009-10.