

EDUCATION

Ph.D. Candidate, Computer Science, Brown University. (Expected completion: May 2008)
Master of Science, Computer Science, Brown University, May 2005.
Bachelor of Science, Applied Mathematics, Brown University, May 2002.
Valedictorian, Francis Parker High School, San Diego, CA, June 1998.

TEACHING EXPERIENCE

Instructor – *Brown University Summer Studies* (Summers 2005-2007)
Designed and taught four-week (60 hour) computer programming course for high school students.

Teaching Assistant – *Brown University* (1998-1999, 2006-present)
Served as teaching assistant for the following courses: Discrete Mathematics, Data Structures & Algorithms, Models of Computation, Introduction to Artificial Intelligence, Advanced Placement Calculus, Intermediate Calculus, and Adolescent Psychology. Duties included teaching, holding office hours, and writing and grading homeworks, quizzes, and tests.

RESEARCH EXPERIENCE

Research Assistant – *Brown University Dept. of Computer Science* (2002 - present)
Carrying out both theoretical and experimental research in game theoretic multi-agent learning (with Professor Amy Greenwald).

Research Assistant – *Brown University Dept. of Education* (2007 - present)
Assisting with research on the assessment and significance of the field-dependent and field-independent cognitive styles (with Professor Jack Demick).

Research Assistant – *UCSD Dept. of Computer Science and Engineering* (Summer 1999)
Designed, implemented, and analyzed experiments on the use of neural networks for object and face recognition (with Professor Gary Cottrell).

WORK EXPERIENCE

Clinical Assistant – *Psychiatric Physician Consultants of Rhode Island* (Summer 2007)
Administered batteries of neuropsychological and personality tests and wrote reports synthesizing and summarizing results.

Computer Consultant (2002 - 2004)
Freelance programming, web design, and database development.

Summer Analyst – *Goldman Sachs* (Summer 2001)
Developed automated reporting system using Microsoft Access, Excel, and Visual Basic.

CERTIFICATIONS

Certified Mediator (Community Mediation Center of Rhode Island)

Certified Yoga Teacher (Eyes of the World Yoga, Providence, RI)

LEADERSHIP EXPERIENCE

President, Treasurer – Zeta Delta Xi Co-educational Fraternity

President – Brown Cycling Club

Program House Chair – Brown University Residential Council

Member – Brown University Disciplinary Council

Member – Brown University Mediation Project

PUBLICATIONS

- [1] David Gondek, Amy Greenwald, and Casey Marks. Varieties of regret in online prediction. Technical Report CS-04-09, Brown University, Department of Computer Science, July 2004.
- [2] Geoffrey J. Gordon, Amy Greenwald, and Casey Marks. No-regret learning in convex games. Technical Report CS-07-10, Brown University, Department of Computer Science, October 2007.
- [3] Geoffrey J. Gordon, Amy Greenwald, and Casey Marks. No-regret learning in convex games. In *Proceedings of the 25th International Conference on Machine Learning*, July 2008.
- [4] Micheal Matthew Greenberg, Casey Marks, Leo Alexander Meyerovich, and Michael Carl Tschantz. The soundness and completeness of margrave with respect to a subset of XACML. Technical Report CS-04-09, Brown University, Department of Computer Science, April 2005.
- [5] Amy Greenwald, Amir Jafari, and Casey Marks. A general class of no-regret algorithms and game-theoretic equilibria. Invited chapter in a forthcoming book to be published by the Indian Logic Association.
- [6] Amy Greenwald, Amir Jafari, and Casey Marks. Blackwell's approachability theorem: A generalization in a special case. Technical Report CS-06-01, Brown University, Department of Computer Science, January 2006.
- [7] Amy Greenwald, Zheng Li, and Casey Marks. Bounds for regret-matching algorithms. In *Proceedings of the Ninth International Symposium on Artificial Intelligence and Mathematics*, 2006.
- [8] Amy Greenwald, Zheng Li, and Casey Marks. Bounds for regret-matching algorithms. Technical Report CS-06-10, Brown University, Department of Computer Science, June 2006.
- [9] Amy Greenwald and Casey Marks. Blackwell's approachability theorem: A further generalization in a special case. Technical Report CS-06-01, Brown University, Department of Computer Science, January 2006.