

VITA

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Positions Held

- Senior Lecturer (tenured), School of Economics, University of East Anglia, August 2010-.
- Visiting Instructor, Economics and Finance, John Carroll University, July 2009-April 2010.
Courses taught:
 - Managerial Economics (MBA)
 - Principles of Economics (MBA)
 - Business Statistics (MBA)
- Assistant Professor, Economics, Texas A&M University, August 2001-June 2009.
Courses taught:
 - Fundamental Mathematics for Economists (PhD)
 - Intermediate Microeconomics (BS/BA)
 - Economics of Decision-Making and Strategy (BS/BA, writing-intensive course)
 - Principles of Economics (Honors BS/BA)
- Lecturer, Northwestern University, Kellogg Graduate School of Management, Fall 1998-99, Fall 1999-2000, Winter 2000-01.
Courses taught: Accelerated Mathematical Methods for Management (MBA).

Fields of Interest

Game theory, microeconomic theory, experimental economics, computational economics.

Doctoral Studies

Ph.D., Managerial Economics and Decision Sciences, Northwestern University, Evanston IL, August 2001.
Dissertation: “Computation and Robustness in Sealed-Bid Auctions”
Committee Chair: Mark Satterthwaite

Predoctoral Studies

B.S. with Honors, Engineering & Applied Science/Economics, California Institute of Technology, Pasadena CA, 1994.

Awards and Grants

- Nuffield Foundation Small Grants Scheme in the Social Sciences, with Todd Kaplan, November 2009, £7,200.
- Nominated for Writing-Intensive Course Instructor of the Year, Texas A&M University, Fall 2006 and Fall 2007.
- Society for Computational Economics, Graduate Student Prize in Computational Economics, June 2001, for “Implications of Approximate Equilibrium Concepts in Sealed-Bid Auctions.”

Publications

Refereed publications of original research

- “Using Quantal Response to Compute Nash and Sequential Equilibria.” *Economic Theory* 42(1):255-269, 2010.
- “Covering Your Posterior: Teaching Signaling Games Using Classroom Experiments.” *Journal of Economic Education* 40(2):188-199, 2009.
- “Towards a Black-Box Solver for Finite Games: Finding All Nash Equilibria with Gambit and PHC-pack.” In *Proceedings of the IMA Software for Algebraic Geometry Workshop*, Michael E. Stillman, Nobuki Takayama, and Jan Verschelde, editors. New York: Springer, 2008.
- “Auction Choice for Ambiguity-Averse Sellers Facing Strategic Uncertainty.” *Games and Economic Behavior* 62(1):155-179, 2008.
- “In Search of the Last-Ups Advantage in Baseball: A Game-Theoretic Approach.” *Journal of Quantitative Analysis in Sports* 4(2):5, 2008.
- “Congestion Allocation for Distributed Networks: An Experimental Study,” with Yan Chen and Laura Razzolini. *Economic Theory* 33(1):121-143, 2007.
- “On the Sufficiency of Transitive Preferences.” *Economics Bulletin* 4(22):1-9, 2007.
- “Framing the First-Price Auction,” joint with Elizabeth Watson and Raymond C. Battalio. *Experimental Economics* 10(1):37-54, 2007.
- “A Dynamic Homotopy Interpretation of the Logistic Quantal Response Equilibrium Correspondence.” *Games and Economic Behavior* 51(2):243-263, 2005.
- “Offensive Performance, Omitted Variables, and the Value of Speed in Baseball.” *Economics Letters* 89:283-286, 2005.
- “Intertemporal Speculation Under Uncertain Future Demand: Experimental Results”, with Charles R. Plott. Pages 475-493 in *Understanding Strategic Interaction: Essays in Honor of Reinhard Selten*, Albers, et al, editors. Berlin: Springer-Verlag, 1996.

Survey articles

- “Software for Solving Noncooperative Strategic Form Games.” In *Encyclopedia of Operations Research and Management Science*. New York: Wiley, forthcoming 2010.
- “Computing Equilibria in Finite Games.” In *Positive Changes in Political Science: The Legacy of Richard D. McKelvey’s Most Influential Writings*, Aldrich, Alt, and Lupia, editors. Ann Arbor: University of Michigan Press, 475-487, 2007.
- “Game Theory,” with Bernhard von Stengel. *Encyclopedia of Information Systems*, Volume 2, pages 403-420. San Diego: Elsevier Science (USA), 2002.

Computer software

- “Gambit: A Computer System for Constructing and Analyzing Finite Extensive and Normal Form Games”, with Richard D. McKelvey and Andrew M. McLennan. <http://www.gambit-project.org>.

Manuscripts

- “Reservation Values in Laboratory Auctions: Context and Bidding Behavior,” with Elizabeth Watson.
- “Contributions and Crowd-Out of Public Goods: Competing Models and Experimental Evidence,” with Timothy J. Gronberg, R. Andrew Luccasen, and John B. Van Huyck.
- “Raising Revenue With Lotteries: A Laboratory Experiment,” with Wooyoung Lim and Alexander Matros.
- “Price and Wage Dispersion Due to Heterogeneous Arrival of Trade Opportunities,” with Adi Mayer.
- “The Games That Experimental Subjects Play: The Utility of Payoffs,” with Glenn W. Harrison.
- “A Theory of Theft: An Inspection Game Model of the Stolen Base Play in Baseball.”
- “Crowd-Out in One-Shot Public Goods Games: Experimental Evidence on the Effects of Strategic Structure,” with R. Andrew Luccasen.
- “Link Formation in Networks Using Case-Based Decision-Making: A Laboratory Experiment,” with Elizabeth Watson.
- “Bidding Behaviour in Asymmetric First-Price Auctions,” with Todd Kaplan.
- “A Numerical Investigation of the Multiply-and-Conquer Game.”
- “Trust and Reciprocity in an Endogenous Social Context,” with Brian O’Quinn.

Presentations

- “The Games That Experimental Subjects Play,” Behavioral and Quantitative Game Theory Conference, Newport Beach CA, May 2010.
- “Crowd-Out in One-Shot Public Goods Games: Experimental Evidence on the Effects of Strategic Structure,” North American Meetings of the Economic Science Association, Tucson AZ, November 2008.

- “Reservation Values in Laboratory Auctions: Context and Bidding Behavior.” Department of Economics, Temple University, February 2008.
- “Reservation Values in Laboratory Auctions: Context and Bidding Behavior.” Department of Economics, Lehigh University, February 2008.
- “Towards a Black-Box Solver for Finite Games.” Invited presentation, Dagstuhl Seminar on Equilibrium Computation at the International Conference and Research Center for Computer Science at Schloss Dagstuhl, Germany, November 2007.
- “Reservation Values in Laboratory Auctions: Context and Bidding Behavior.” Department of Economics, Indiana University, September 2007.
- “In Search of the Advantage to Batting Last.” Invited to New England Symposium on Statistics in Sports, American Statistical Association, Harvard University, September 2007.
- “Reservation Values in Laboratory Auctions: Context and Bidding Behavior.” World Meetings of the Economic Science Association, Rome, June 2007.
- “Trust and Reciprocity in Investment Games.” World Meetings of the Economic Science Association, Rome, June 2007.
- “Towards a Black-Box Solver for Finite Games: The Gambit System.” Invited talk, Software for Algebraic Geometry Workshop at the Institute for Mathematics and its Applications, University of Minnesota, October 2006.
- “Inducing Values in First-Price Auction Experiments.” North American Meetings of the Economic Science Association, Tucson AZ, September 2006.
- “Auction Choice for Uncertainty-Averse Sellers.” Department of Economics, University of Wisconsin-Madison, September 2005.
- “Framing the First-Price Auction.” International Meetings of the Economic Science Association, June 2005.
- “The Theory of Theft.” Second World Congress of the Game Theory Society, July 2004.
- “The Gambit System for Computing in Finite Games.” Invited plenary session, 13th Summer Festival on Game Theory, State University of New York at Stony Brook, July 2003.
- “The Economic Value of the Stolen Base.” Invited talk, Stanford Institute for Theoretical Economics, July 2003.
- “The Economic Value of the Stolen Base.” North American Summer Meetings of the Econometric Society, Evanston IL, June 2003.
- “Computing the Logistic Quantal Response Equilibrium Correspondence.” California Institute of Technology, Division of Humanities and Social Sciences, March 2002.
- “Computing the Logistic Quantal Response Equilibrium Correspondence.” North American Meetings of the Economic Science Association, November 2001.
- “Implications of Approximate Solution Concepts in Sealed-Bid Auctions.” London School of Economics, Department of Mathematics, June 2001.

- “Gambit: A Computer System for Constructing and Analyzing Finite Extensive and Normal Form games.” First World Congress of the Game Theory Society, July 2000.

Referee Experience

Econometrica, Economic Inquiry, Economic Theory, European Journal of Operational Research, Fluctuation and Noise Letters, Games and Economic Behavior, International Economic Review, Journal of Economic Dynamics and Control, Journal of Economics & Management Strategy, Management Science, National Science Foundation (U.S.), U.S./Israel Binational Science Foundation, Society for American Baseball Research/Yoseloff Foundation.

Service

- At-large delegate, Faculty Senate, Texas A&M University, September 2007-June 2009.
- Department of Economics representative, College of Liberal Arts Quality Enhancement Plan council, Texas A&M University, September 2006-May 2008.
- Moderator, Economic Science Association ESA-discuss and ESA-announce email lists, September 2006-.
- Member, Undergraduate Instruction Committee, Department of Economics, Texas A&M University, 2005-2008.
- Member, Junior Recruiting Committee, Department of Economics, Texas A&M University, 2001-2003.