

MARK HARLAN GOADRICH

Department of Mathematics and Computer Science
Centenary College of Louisiana
2911 Centenary Boulevard
Shreveport, LA 71104
(318) 869-5194
mgoadric@centenary.edu

EDUCATION

University of Wisconsin - Madison, Madison, WI, Computer Sciences, M.S., 2000, Ph.D., 2007

Kenyon College, Gambier, OH, Mathematics and Philosophy, B.A., 1998.

EMPLOYMENT

Assistant Professor, *Broyles Eminent Scholars Chair of Computational Mathematics*, Department of Mathematics and Computer Sciences, Centenary College of Louisiana, Shreveport, LA, 2007 - Present

Research Assistant, *with Professor Jude Shavlik*, Department of Computer Sciences, University of Wisconsin - Madison 2001 - 2007

Research on Inductive Logic Programming and Biomedical Information Extraction

Instructor, Department of Computer Sciences, University of Wisconsin - Madison, 2000 - 2001

Introduction to Artificial Intelligence, Summer 2001

Introduction to Programming in Java, Spring 2000, 2001

Teaching Assistant, Department of Computer Sciences, University of Wisconsin - Madison, 1998 - 2000, 2007

Introduction to Programming Languages, Spring 2007

Introduction to Artificial Intelligence, Spring, Summer, Fall 1999

Introduction to Computers, Fall 1998

Research Analyst, Southwest Research Institute, San Antonio, Texas, 2000

PUBLICATIONS

“Learning Ensembles of First-Order Clauses that Optimize Precision-Recall Curves,” *Ph. D. Thesis*, University of Wisconsin - Madison, August, 2007.

“Combining Clauses with Various Precisions and Recalls to Produce Accurate Probabilistic Estimates,” with Jude Shavlik, *The Proceedings of the 17th International Conference on Inductive Logic Programming*, Corvallis, OR, June, 2007.

“The Relationship Between Precision-Recall and ROC Curves,” with Jesse Davis, *The Proceedings of the 23rd International Conference on Machine Learning*, Pittsburgh, PA, June 2006.

“Gleaner: Creating Ensembles of First-Order Clauses to Improve Recall-Precision Curves,” with Louis Oliphant and Jude Shavlik, *Machine Learning Journal*, Special Issue on ILP, Volume 64, pages 231-262, 2006.

“Learning to Extract Genic Interactions using Gleaner,” with Louis Oliphant and Jude Shavlik, *The Proceedings of the Learning Language in Logic Workshop at the International Conference on Machine Learning*, Bonn, Germany, July 2005.

“Learning Ensembles of First-Order Clauses for Recall-Precision Curves: A Case Study in Biomedical Information Extraction,” with Louis Oliphant and Jude Shavlik *Proceedings of the 14th International Conference on Inductive Logic Programming*, Porto, Portugal, September 2004.

“Model Robustness versus Parameter Evolution: Assortative Interaction in a Bargaining Game,” *In Proceedings of the NAACSOs Methods, Toolkits and Techniques Section Workshop, AGENT 2003*, Chicago, IL, October 2003.

“Emergent Formation of Political Parties,” with Charles Franklin, Working paper, Spring 1999.

PROFESSIONAL AFFILIATIONS

Sigma Xi, The Scientific Research Society
Association for Computing Machinery (ACM)
Consortium for Mathematics and Its Applications