

Phillip B. Coleman

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Education

PhD Computer Science, Texas A & M University, 2008 - Present
B.S. Computer Science, Trinity University, 2008
B.A. Communications, Trinity University, 2008

Honors and Awards

Phi Beta Kappa 2007
Blue Key Honor Society 2007
Golden Key Honor Society 2007
Mortar Board (Trinity Honor Service Society) 2007
Old Crow Scholarship 2006
Outstanding Junior Research Award (Trinity University) 2006
Alpha Lambda Delta 2005
Dean's List 2004-2007

Experience

Research Assistant 2008 –

Present

Dr. Nancy Amato Texas A & M University
Simulation and application of naturally inspired group behaviors using multi-agent systems and motion planning.

Research Assistant 2005 –

2008

Dr. Yu Zhang Trinity

University

Creation of a new agent architecture combining intuitive/deliberative decision making with social awareness.

Teaching Assistant, Introduction to Computing (CPSC 181), Fall 2008

Teaching Assistant, Multi-Agent Systems (CSCI 3394), Trinity University, Fall 2007

Teaching Assistant, Discrete Structure (CSCI 1323), Trinity University, Spring 2006

Teaching Assistant, Computer Skills (CSCI 1300), Trinity University, Fall 2005/2006

Software Engineer,

Google Inc, Mountain View, CA, USA

Summer 2007

Supervisor: Mike Jones

Developing an API for migrating mail from any type of server to the main Gmail servers.

Software Engineer

Sandia National Laboratory, Albuquerque, NM, USA

Summer 2005-2006

Supervisor: Carlos Quintana

Developing applications for improving and maintaining security within the internal network.

Publications

Zhang, Y., Pellon, M., Coleman, P., Leezer, J., "*CASE: Cognitive Agents for Social Environments*", the Seventh International Conference on Autonomous Agents and Multiagent Systems, 2008 (in review). [[PDF](#)]

Zhang, Y., Coleman, P., Pellon, M., Leezer, J., "*A Multi-Agent Simulation for Social Agents*", Agent-Directed Simulation Symposium, 2008 (in review). [[PDF](#)]

Zhang, Y., Mark Lewis, Pellon, M. and Coleman, P., "*A Preliminary Research on Modeling Cognitive Agents for Social Environments in Multi-Agent Systems*", 2007 Fall Symposium, Emergent Agents and Socialities: Social and Organizational Aspects of Intelligence, November 9-11, Westin Arlington Gateway in Arlington, Virginia, 2007 (accepted). [[PDF](#)]

Zhang, Y., Pellon, M. and Coleman, P., "Decision Under Risk in Multi-Agent Systems", International Conference on System of Systems Engineering, San Antonio, Texas, April 16-18, 2007, pp. 133-138 (acceptance rate 65%). [[PDF](#)]

Coleman, P., Pellon, M. and Zhang, Y., "*Towards Human Decision-Making in Multi-Agent Systems*", 2007 International Conference on Artificial Intelligence (IC-AI' 07), Monte Carlo Resort, Las Vegas, Nevada, June 25-28, 2007, pp. 535-540 (acceptance rate 29%). [[PDF](#)]

Coleman, P., Pellon, M. and Zhang, Y., "*Towards Human Decision-Making in Multi-Agent Systems*", National Conference for Undergraduate Research, San Rafael, CA, 2007

Pellon, M., Coleman, P. and Zhang, Y., "*POOH: A Robust Hybrid Agent Model*", Proceedings of the 10th World Multi-Conference on Systemics, Cybernetics and Informatics (SCI'6), Orlando, FL, July 16-19, 2006, (acceptance rate 59%). [[PDF](#)]

Pellon, M., Coleman, P. and Zhang, Y., "*POOH: A Robust Hybrid Agent Model*", National Conference for Undergraduate (NCUR), Asheville, NC, 2006

Service

Undergraduate Research Mentor
Paper Review IROS, ICRA, IJRR, and RSS
President of Upsilon Pi Epsilon (Trinity Chapter) 2006-2008
Secretary of ACM (Trinity Chapter) 2007-2008
President of the Student Film Society 2006-2008

Computer Skills

Expert: Java, C++, ML, Scheme, Linux, HTML, PHP, Javascript
Intermediate: MatLab, J, Logos