John Baxter

CONTACT
INFORMATION

Cell Phone: (352)-514-1522
E-Mail: automata@unm.edu

1 University of New Mexico
Department of Computer Science
University of New Mexico
Albuquerque, NM 87131-0001 USA

EDUCATION

University of New Mexico, Albuquerque, New Mexico
Graduate Student, Computer Science

- Advisor: Professor Lydia Tapia

Pomona College, Claremont, California
B.A., Geology, 2009 May 17th

- Advisor: Professor Eric Grosfils

EXPERIENCE

University of New Mexico Computer Science Department, Albuquerque, New Mexico.
Research Assistant for Professor Lydia Tapia, **2011 - Present**.

University of Florida Psychiatry Department, Gainesville, Florida.
Director and *Film Editor* for educational film productions, **2009 - 2010**.

Pomona College Computer Science Department, Claremont, California.
Teaching Assistant and *Grader* for "Computer Science 62: Data Structures", **2009**.

PUBLICATIONS AND
SUBMISSIONS

[1] **John Baxter**, Lydia Tapia, "Automated Parameter Tuning for Probabilistic Roadmap Samplers", *Under Submission.*

[2] Lewis R. Baxter, Katrina Williams, Shannon L. Janssen, Yan Qi Liang, Shannon Constance, **John E. G. Baxter**, Jabriel Riley, Catherine Macinkiewcz, Mark H. Lewis, Mona Boules, Elliott Richelson, "*Ecstacy* (MDMA) Compels Planarian Social Behaviors *via* Distinct Monoamine Subsystems", *Under Submission.*

[3] Baxter LR, Ackermann RF, Clark EC, **Baxter JE**, "Brain Mediation of *Anolis* Social Dominance Displays: I. Differential Basal Ganglia Activation", *Brain, Behavior and Evolution, 2001: 57; 169-184.*

SELECTED POSTERS
& PRESENTATIONS

[1] **John Baxter**, Lydia Tapia, "Parameter Tuning for PRM Protein Conformation Sampling", poster presented at the *2012 National IDeA Symposium of Biomedical Research Excellence*, Washington, D.C., June 2012.

[2] Lydia Tapia, **John Baxter**, "Adaptive Motion Planning for Complex Planning Problems", poster presented at the *Progess and Open Problems in Motion Planning* workshop at *IROS 2011*, San Francisco, California, September 2011.

STUDENT
RESEARCH
MENTORING

Tony Hickerson, Summer 2011 - Winter 2012.
Undergraduate at University of New Mexico, Computer Science major.

Andrea Howells, Summer 2011.
Undergraduate at SUNY Plattsburgh, Computer Science major. Participant in Computing Research Association's Distributed Research Experiences (DREU) Program.

Rachel Webster, Summer 2011.
Undergraduate at Lewis & Clark College, Mathematics and Computer Science major. Participant in Computing Research Association's Distributed Research Experiences (DREU) Program.