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Updated: August 12, 2010

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Drew Conway

Education

- **New York University**, New York, NY USA
Ph.D. Student, Department of Politics (expected graduation May, 2013)
- **Hamilton College**, Clinton, NY USA
B.A., Double Major: Political Science Computer Science (May, 2004)

Awards and Honors

- Selected for U.S. Department of Homeland Security Graduate Fellowship (May, 2008)
- MacCracken Fellowship, New York University (April, 2008)
- Active U.S. National Security Clearance (March, 2006)
- Selected for Phi Sigma Alpha, National Political Science Honor Society (May, 2004)
- Rusty Smith Memorial Teaching Prize in Computer Science, Hamilton College (August, 2003)
- Arthur Levitt Scholar, Hamilton College (January, 2003)

Editorial Board Memberships

Current: *Journal of Strategic Security*

Research and Working Papers

- Networks, Collective Action, and State Germination (August, 2010)
- Graph Motif Models (May, 2010)
- Exploring the Effects of External Shocks on Voter Behavior: A Model of Tethered Policy Dimensions (January, 2010)
- Terrorist Hostage Taking: The Use of Deadly Force by the State and Event Duration (May, 2009)
- Russia/Georgia Cyber War - Findings and Analysis – Project Grey Goose contributor (October, 2008)

Technical Projects and Affiliations

- PyVote (<http://code.google.com/p/pyvote/>) – Python package for agent-based modeling of political interactions
- New York City R Statistical Programming Meetup (<http://www.meetup.com/nyhackr/>) – Organizer
- R Lecture Series Video Rchive (<http://www.vcasmo.com/user/drewconway>) – Founder and administrator

Teaching

- Power and American Politics – Teaching Assistance (January, 2010)

Conferences and Invited Talks

- Simulating Networks with Graph Motif Models – 2010 Sunbelt Conference, Trento, Italy (July, 2010)
- NetworkX Introduction: Hacking social networks using the Python programming language – Half-day workshop delivered at 2010 Sunbelt Conference, Trento, Italy (June, 2010)
- Exploring the SIRG Model – 2010 Political Networks Conference, Duke University (May, 2010)
- Panel on Innovations in Network Measurement – Chair, 2010 Political Networks Conference, Duke University (May, 2010)
- Mining and Analyzing Online Social Graph Data – NYC Predictive Analytics, New York, NY (May, 2010)
- Exploring the Effects of External Shocks on Voter Behavior: A Model of Tethered Policy Dimensions – 2010 Midwest Political Science Association Conference, Chicago, IL (April, 2010)
- Structurally Induced Random Graph Model of Social Networks – Center for the Study of Complex Systems, University of Michigan (March, 2010)
- Developing Models of Social Interactions – Scientific Collaboration with Los Alamos National Laboratory, Los Alamos, NM (March, 2010)
- Social Network Analysis in R – Bay Area R Statistical Programming Users Group, LinkedIn Corporate Headquarters, San Francisco, CA (November, 2009)
- Introducing the Structurally Induced Random Graph Model – 2009 Network Science Workshop, United States Military Academy, West Point, NY (October, 2009)
- Classified briefing – Threat Finance Working Group - A Deep Dive into Informal Money Transfer Mechanisms, National Ground Intelligence Center, Charlottesville, VA (July, 2008)
- Information Technology's Affect on Nationalism and National Identity – National Undergraduate Honors Conference, Annenberg School of Communication at the University of Southern California, Los Angeles, CA (October, 2004)
- Collapsing the al-Qaeda Network – North American Association for Computational Social and Organizational Science Conference, Carnegie Mellon University, Pittsburg, PA (August, 2004)
- Panel participant – National Conference on Law and Terrorism, United States Military Academy, West Point, NY (April, 2003)

Activities Prior to Graduate School

- Worked with classified U.S. government agency to develop a process for analyzing leadership emergence in covert network. The study combined structural knowledge of these networks with personality and physical trait data associated with leadership emergence gleaned from intelligence reporting. (2007-2008)

- Worked with classified U.S. government agency to develop a new methodology for analyzing banking networks geospatially. Then, delivered a finished intelligence product using the methodology to analyze a specific Asian country's global banking network. (2008)
- In conjunction with the University of Iowa and Cornell University to perform research for the Defense Advanced Research Projects Agency's (DARPA) Defense Science Office (DSO) into the applicability of using massively multiplayer online games (MMOG) for modeling and investigating social science problems related to national security. The experiment tested conflict escalation and de-escalation through a game theoretic coordination simulation using human participants. (2007-2008)
- Participated in the Office of Naval Research's (ONR) Proactive Intelligence (PAINT) research initiative. As part of a large research collation made up of several university and industry leaders, researched and developed a stochastic model for assessing and simulating the evolution of dynamic social networks. As part of this team, I developed new stochastic methods for efficiently calculating dynamic network change. (2007-2008)

Previous Employment

- Booz Allen Hamilton, Inc., McLean, VA, Associate (2005-2008)
- Leslie Harris and Associates, Washington, DC, Junior Associate (2004-2005)