

VLADIMIR BARASH
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EDUCATION

2011: Graduated with a Ph.D. in Information Science at Cornell University, Ithaca NY

2006: Graduated with a Bachelor of Arts Degree, Yale University, New Haven CT

WORK EXPERIENCE:

2008 – 2011: part-time RA for Respondent-Driven Sampling project with Prof. Douglas Heckathorn at Cornell University. Analyzed the mathematical properties of snowball samples of hard-to-reach populations.

2008 – 2011: part-time Consultant for CDC. Improved RDSAT software package for analyzing respondent-driven samples under the guidance of Prof. Douglas Heckathorn

2010: Fall intern at Microsoft Research. Worked under Prof. Natasa Milic-Frayling analyzing the spread of rumor-related messages in the Twitter social network.

2010: TA for INFO 2040: Networks at Cornell University, assisted Profs. Jon Kleinberg and David Easley

2006 – 2009: GRA for Cybertools/Weblab research group at Cornell University.

2009: Summer intern at PARC. Worked with PARC CSL Lab to develop Facebook application for analyzing user impressions of their Facebook News Feed

2009: Consultant for American Racing & Entertainment, developed Social Media Strategy for Tioga Downs and Vernon Downs racetrack and casino locations in upstate NY

2008: Summer intern at Microsoft Research. Worked with Microsoft Live Q&A Product Team to develop automatic classification of user-generated content in Live! Q&A product

2007: Summer GRA for Cybertools/WebLab research group at Cornell University. Developed a distributed application for automated web crawling

2003 – 2006: Worked part-time as a Computing Assistant at Yale University (IT + tech support of Windows and Macintosh systems; specialties: hardware, data

recovery, system failure).

2004: Summer intern in the Santa Fe Institute Research Experiences for Undergraduates Program. Worked on a project in modeling problem solving using the Island Cascade Takeover model (cf. Boorman 1974).

2002: Worked as a Webmaster in the Anthropology Department at Yale.

BOOK CHAPTERS:

2010: Chapter 9: Twitter: Conversation, Entertainment, and Information, All in One Network! *In Analyzing Social Media Networks with NodeXL: Insights from a Connected World*. Marc Smith, Ben Shneiderman, Derek Hansen. Morgan Kaufmann Press, Waltham MA 2010

PUBLICATIONS:

2011: Daniel M. Romero, Brendan Meeder, Vladimir Barash, Jon Kleinberg. "Maintaining Ties on Social Media Sites: The Competing Effects of Balance, Exchange, and Betweenness". To be published In Proceedings of ICWSM 2011: the fifth AAAI conference on Weblogs and Social Media, Barcelona, Spain

2010: Vladimir Barash, Nicolas Ducheneaut, Ellen Isaacs, Victoria Bellotti. "Faceplant: Impression (Mis)management in Facebook Status Updates". In Proceedings of ICWSM 2010: the fourth AAAI conference on Weblogs and Social Media, Washington, DC

2009: Marc Smith, Ben Shneiderman, Natasa Milic-Frayling, Eduarda Mendes Rodrigues, Vladimir Barash, Cody Dunne, Tony Capone, Adam Perer, Eric Gleave. "Analyzing (social media) networks with NodeXL". In Proceedings of CnT '09: the fourth international conference on Communities and Technologies, San Jose, USA

2009: Howard Welser, Eric Gleave, Marc Smith, Vladimir Barash, Jessica Meckes. "Whither the Experts? Social Affordances and the cultivation of experts in community Q&A systems". In Proceedings of SIN '09: international symposium on Social Intelligence and Networking. IEEE Computer Society Press.

2009: Vladimir Barash, Marc Smith, Lise Getoor and Howard T. Welser. "Distinguishing Knowledge vs Social Capital in Social Media with Roles and Context". In Proceedings of ICWSM 2009: the third AAAI conference on Weblogs and Social Media, San Jose, CA

2008: Marc Smith, Vladimir Barash, Lise Getoor and Hady Lauw. "Leveraging Social Context for Searching Social Media". In Proceedings of Social Media (SSM 2008, in conjunction with CIKM 2008). Position paper.

2008: Marc Smith, Vladimir Barash. "Social SQL: Tools for Exploring Social Databases." IEEE Data Eng. Bull. 31(2): 50-57 (2008)

2006: Willard Miranker, Vladimir Barash: Modeling Awareness in a Bacterial Colony. Yale Computer Science Publication Review, 2006.

CURRENT WORK:

2011: Vladimir Barash, Nicolas Ducheneaut, Nick Yee. "Giving Your Guildmate a Hand: Does Self-Interest Explain Cooperation in Online Games?"

2011: Vladimir Barash, Chris Cameron and Michael Macy. "Analysis of the Spread of Complex Contagions on Theoretical Networks". Submitted to the Journal of Sociological Methodology

2011: Vladimir Barash, Chris Cameron, Michael W. Spiller and Douglas Heckathorn. "Sensitivity of Respondent-Driven Sampling Estimates to Violations of the Method's Assumptions: Sampling with Replacement"

2011: Vladimir Barash, Natasa Milic-Frayling, Marc Smith. "Analyzing the Spread of Rumor through the Twitter Social Network."

OTHER CONTRIBUTIONS:

2006: Helped design and test a 3D user interface for the Magic in Wands computer game.

GRADUATE COURSEWORK:

2008: Quantitative Research Methods in Social Science II. Professor Elizabeth Hirsh.

2008: Machine Learning. Professor Thorsten Joachims.

2007: The Structure of Information Networks. Professor Jon Kleinberg.

2006: Seminar on Information Networks. Professor Jon Kleinberg.

2006: Human-Computer Interaction and Design. Professor Dan Cosley.

LANGUAGES:

Russian (native)

English (fluent)

Spanish (fluent)

Latin (R)

COMPUTER LANGUAGES AND SOFTWARE:

- Interpreted Languages: Python, LISP, SML, Ruby
 - Compiled Languages: C, C++, C#, Java
 - Distributed Computing: Hadoop
 - Databases: SQL Server 2005, MySQL
 - Mathematics software: MATLAB
 - Information Extraction software: GATE
 - Statistical analysis: R
 - Web servers: Apache on Linux
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- Web frameworks: Django for Python, Ruby on Rails
 - Web applications: Javascript, ASP.NET