

Lada A. Adamic

Associate Professor, University of Michigan
School of Information, Center for the Study of Complex Systems, and EECS
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RESEARCH INTERESTS:

I study information dynamics in networks: how network structure influences the flow of information, how information influences the evolution of networks, and crowdsourced knowledge sharing.

EMPLOYMENT:

09/2010 — 09/2011 —	University of Michigan: School of Information Center for the Study of Complex Systems Associate Professor	Ann Arbor, MI
09/2008 — 12/2011	University of Michigan: EECS Assistant Professor by courtesy	Ann Arbor, MI
09/2005 — 09/2011	Center for the Study of Complex Systems Adjunct Assistant Professor	
09/2005 — 08/2010	University of Michigan: School of Information Assistant Professor	Ann Arbor, MI
07/2001 — 08/2005	HP Labs Research scientist	Palo Alto, CA

EDUCATION:

07/1997 — 06/2001	Stanford University Ph.D., Applied Physics	Stanford, CA
9/1993 — 06/1997	California Institute of Technology B.S., Physics B.S., Engineering and Applied Science	Pasadena, CA

REFEREED CONFERENCE, JOURNAL, and WORKSHOP PAPERS:

- L. A. Adamic, T. M. Lento, and A. T. Fiore, How you met me, ICWSM'12 (short paper).
- C-Y Teng, L. Gong, A. Livne, C. Brunetti, L. A. Adamic, Coevolution of network structure and content, WebSci'12.
- C-Y Teng, Y-R Lin, L. Adamic, Recipe recommendation using ingredient networks, WebSci'12.
- E. Bakshy, I. Rosenn, C. Marlow, and L A. Adamic, The Role of Social Networks in Information Diffusion, WWW'12.
- J. Yang, Z. Wen, L. A. Adamic, M. S. Ackerman, C.-Y. Lin, Collaborating Globally: Culture and Organizational Computer-Mediated Communications. Proc. ICIS, 2011. **Best theme paper award**
- U. Karkada, L. A. Adamic, J. Kahn, T. Iwashyna, Limiting the Spread of Highly Resistant Hospital Acquired Microorganisms Via Critical Care Transfers: A Simulation Study, Int Care Med 2011; 37(10): 1633-1640.

- D. A. Huffaker, Chun-Yuen Teng, Matthew P. Simmons, Liuling Gong, L. A. Adamic, Group Membership and Diffusion in Virtual Worlds, IEEE SocialCom 2011.
- M. P. Simmons, L. A. Adamic, E. Adar, 'Mememes Online: Extracted, Subtracted, Injected, and Recollected', ICWSM 2011
- L. A. Adamic, D. Lauterbach, C.-Y. Teng, M. S. Ackerman, 'Rating Friends Without Making Enemies', ICWSM 2011. **Best paper award**
- A. Livne, M. P. Simmons, E. Adar, L. A. Adamic, 'The Party is Over Here: Structure and Content in the 2010 Election', ICWSM 2011
- J. Yang, M. Ringel Morris, J. Teevan, L. A. Adamic, Culture Matters: A Survey Study of Social Q&A Behavior, ICWSM 2011
- J. Yang, M. S. Ackerman, L. A. Adamic, Virtual Gifts and Guanxi: Supporting Social Exchange in a Chinese Online Community, CWCW 2011.
- D. A. Huffaker, M. Simmons, E. Bakshy, L. A. Adamic, Seller activity in a virtual marketplace, First Monday, 15(7), July 2010.
- C.-Y. Teng, D. Lauterbach, L. A. Adamic. I rate you. You rate me. Should we do so publicly?, WOSN'10, Boston, MA, 2010.
- X. Wei, J. Yang, L. A. Adamic, Ricardo Matsumura de Araújo, Manu Rekhi, Diffusion Dynamics of Games on Online Social Networks, WOSN'10, Boston, MA, 2010.
- J. Yang, X. Wei, M. S. Ackerman, L. A. Adamic, Activity Lifespan: An Analysis of User Survival Patterns in Online Knowledge Sharing Communities, ICWSM 2010, Washington D.C., 2010.
- E. Bakshy, M. P. Simmons, D. A. Huffaker, C.-Y. Teng, L. A. Adamic, The social dynamics of economic activity in a virtual world, ICWSM 2010, Washington D.C., 2010. **Best paper award**
- C.-Y. Teng, L. A. Adamic, 'Longevity in Second Life', Poster, ICWSM 2010, Washington D.C., 2010.
- L. A. Adamic, X. Wei, J. Yang, S. Gerrish, K. K. Nam, G. S. Clarkson, 'Individual Focus and Knowledge Contribution', First Monday, 15(3), March 2010.
- X. Shi, L. A. Adamic, B. Tseng, G. S. Clarkson. The impact of boundary spanning scholarly publications and patents. PLoS One 4(8): e6547, 2009.
- D. Lauterbach, H. Truong, T. Shah, L. A. Adamic. Surfing a web of trust: Reputation and reciprocity on CouchSurfing.com, in International Symposium on Social Intelligence and Networking (SIN-09), Vancouver, Canada, 2009.
- E. Bakshy, B. Karrer, L. A. Adamic, Social influence and the diffusion of user created content, EC'09, San Jose, CA, 2009.
- X. Shi, B. Tseng, L.A. Adamic, Information Diffusion in Computer Science Citation Networks. ICWSM2009, San Jose, CA, 2009, Poster.
- K. K. Nam, L. A. Adamic, M.S. Ackerman, "Questions in, Knowledge in? A Study of Naver's Question Answering Community", CHI'2009, Boston, MA.
- J. Yang, L. A. Adamic, M.S. Ackerman, 'Crowd sourcing and knowledge sharing: Strategic user behavior on Taskcn', EC'08, Chicago, IL, 2008.
- L. A. Adamic, J. Zhang, E. Bakshy, M.S. Ackerman, 'Knowledge Sharing and Yahoo Answers: Everyone knows something', WWW2008, Beijing, China, 2008.
- X. Shi, M. Bonner, L. A. Adamic, A. Gilbert, The very small world of the well-connected , in Hypertext'08, Pittsburgh, PA, 2008. **Doug Engelbart Best Paper Award**
- J. Yang, L. A. Adamic, M.S. Ackerman, 'Competing to Share Expertise: the Taskcn Knowledge Sharing Community', ICWSM 2008, Seattle, WA, 2008.
- L. A. Adamic, S. K. Bhavnani, and X. Shi, 'Scatter Networks: A New Approach for Analyzing Information Scatter on the Web', New Journal of Physics, 9, p.231, 2007.

- J. Zhang, M. S. Ackerman, and L. A. Adamic, 'QuME: A Mechanism to Support Expertise Finding In Online Help-seeking Communities', *UIST2007*, Newport, RI, 2007.
- J. Zhang, M. S. Ackerman, and L. A. Adamic, 'CommunityNetSimulator: Using simulations to study online community networks', *C&T2007*, Lansing, MI, 2007.
- J. Zhang, M. S. Ackerman, and L. A. Adamic, 'Expertise networks in online communities: structure and algorithms', *WWW2007*, Banff, Canada, 2007.
- N. F. Ali-Hasan and L. A. Adamic, 'Expressing social relationships on the blog through links and comments', *ICWSM2007*, Boulder, CO, 2007.
- X. Shi, B. Tseng, and L. A. Adamic, 'Looking at the blogosphere through different lenses', *ICWSM2007*, Boulder, CO, 2007.
- X. Shi, L. A. Adamic, M. J. Strauss, "Networks of Strong Ties", *Physica A*, 378(1): 33-47, 2007.
- J. Leskovec, L.A. Adamic, and B.A. Huberman, 'The Dynamics of Viral Marketing' (journal version), *ACM TWeb* 1(1), 2007.
- J. Leskovec, L.A. Adamic, and B.A. Huberman, 'The Dynamics of Viral Marketing', *ACM Conference on Electronic Commerce*, Ann Arbor, MI, June 11-15, 2006.
- L. A. Adamic and E. Adar, "How to search a social network", *Social Networks*, 27(3):187-203, July 2005.
- E. Adar and L. A. Adamic, 'Tracking Information Epidemics in Blogspace', *Web Intelligence 2005*, Compiègne, France, Sept. 19-22, 2005. ***Web Intelligence most influential paper of the decade award received in 2011.***
- L. A. Adamic and N. Glance, 'The Political Blogosphere and the 2004 U.S. Election: Divided They Blog', *LinkKDD workshop*, 2005.
- T. Hogg and L. A. Adamic, 'Enhancing reputation mechanisms via online social networks', *ACM EC'06*, New York, NY, 236-237, 2004. (short paper)
- E. Adar, L. Zhang, L. A. Adamic, R. M. Lukose, 'Implicit Structure and the Dynamics of Blogspace', *WWW 2004 Workshop on the Weblogging Ecosystem*, New York, NY May 2004.
- F. Wu, B. A. Huberman, L.A. Adamic and J.R. Tyler, 'Information flow in social groups', *Physica A*, 337:327-335, 2004.
- L. A. Adamic and E. Adar, 'Friends and neighbors on the Web', *Social Networks*, 25(3):211-230, 2003.
- L. A. Adamic, O. Buyukkokten and E. Adar, 'A social network caught in the Web', *First Monday*, June 2003.
- L. A. Adamic, D. M. Wilkinson, B. A. Huberman and Eytan Adar, 'A Literature Based Method for Identifying Gene-Disease Connections', *CSB2002*, Stanford, CA, August 2002.
- L. A. Adamic and E. Adar, 'You are what you link', *10th International World Wide Web Conference*, Hong Kong, China, May 2001 (in online proceedings).
- L. A. Adamic, R. M. Lukose, A. R. Puniyani, and B. A. Huberman, 'Search in power-law networks', *Phys. Rev. E* 64:046135, 2001.
- L. A. Adamic and B. A. Huberman, 'The nature of markets in the World Wide Web', *Quarterly Journal of Electronic Commerce*, 1:5-12, 2000.
- L. A. Adamic, 'The Small World Web', *Proceedings of the 3rd European Conf. on Digital Libraries*, Springer, 443-452, 1999.
- B. A. Huberman and L. A. Adamic, 'Growth Dynamics of the World Wide Web', *Nature* 410:131, 1999.

REFEREED BOOK CHAPTERS:

- L. A. Adamic and B. A. Huberman, "Information dynamics in a networked world", In *Complex Networks*, Eli Ben-Naim et al., editors. Lecture Notes in Physics, Springer, 2003.
- L. A. Adamic, R. M. Lukose and B. A. Huberman, "Local Search in Unstructured Networks", in *Handbook of Graphs and Networks: From the Genome to the Internet*, S. Bornholdt, and H.G. Schuster (eds.), Wiley-VCH, Berlin, 2002.

TECHNICAL REPORTS AND MISCELLANEOUS NON-REFEREED PUBLICATIONS:

- L. A. Adamic, 'Unzipping Zipf's law', *Nature* 474, p. 164-165, 09 June 2011.
- D. Lazer, A. Pentland, L. Adamic, S. Aral, A. L. Barabasi, D. Brewer, N. Christakis, N. Contractor, J. Fowler, M. Gutman, T. Jebara, G. King, M. Macy, D. Roy, M. Van Alstyne, 'Computational Social Science', *Science* 323 (5915), p. 721, 2009.
- M. Hindman and L. A. Adamic, 'Lawmaking and Law Unmaking: A Survival Model of the Federal Law in the United States', presented at MPSA, Chicago, IL, April 2009.
- L. A. Adamic, 'The Web Graph', in '*Encyclopedia of Complex Systems*', Springer, 2009.
- L. A. Adamic, 'The Social Hyperlink', chapter in '*The Hyperlinked Society*', J. Turow (Ed), UofM press, 2009.
- L. A. Adamic, E. Adar, and J. O'Madadhain, 'PeopleFinder²', HP Labs technical report, 2004.
- L. A. Adamic and B. A. Huberman, 'A tool for discovering knowledge communities', *HP TechCon '04*.
- L. A. Adamic and R. M. Lukose, 'Random Networks Growing Under a Diameter Constraint. HP Labs technical report, 2003. <http://xyz.lanl.gov/abs/cond-mat/0301034>
- L. A. Adamic and B. A. Huberman, 'Zipf's law and the internet', *Glottometrics* 3:143-150, 2002.
- L. A. Adamic and B. A. Huberman, 'The Web's Hidden Order', *Communications of the ACM*, 44 (9):55-60, 2001.
- L. A. Adamic and B. A. Huberman, 'Power-Law Distribution of the World Wide Web', *Science* 287:2113, 2000.

WORKING PAPERS:

- Tracy Xiao Liu, J. Yang, L. A. Adamic, Yan Chen, Crowdsourcing with All-pay Auctions: a Field Experiment on Taskcn, draft.
- L. Adamic, C. Brunetti, J. Harris, and A. Kirilenko, 'On the Informational Properties of Trading Networks', http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1361184.

PH. D. THESIS:

- L. A. Adamic, 'Network Dynamics: The World Wide Web', Applied Physics PhD thesis, Stanford University, 2001. Thesis advisor: Prof. Bernardo A. Huberman

U.S. PATENTS:

- Eytan Adar and L. A. Adamic, U.S. Patent 7136876: Method and system for building an abbreviation dictionary.
- Eytan Adar, L. A. Adamic and Francine Chen, U.S. Patent 07162522: User profile classification by web usage analysis.
- Natalie S. Glance, Bernardo A. Huberman, L. A. Adamic, and Jim Pitkow. U.S. Patent 6631451 & 6415368: System and method for caching

SYSTEMS BUILT:

- PeopleFinder²** – a search engine for finding expertise within the enterprise
- Knowledge Brief Navigator** – recommender system of technical documents
- GeneLit** – A system for identifying gene-disease connections from Medline
- Stanford Social Web** – navigation interface to networks of personal homepages

GRANTS:

- L. A. Adamic and M.S. Ackerman, Microsoft Bing Agent and Go grant, Sept 2010-Aug 2011.
- J. Han, Information Network Center, funded by the Army Research Laboratory, W911NF-09-2-0053, Sept 2009 – Sept 2012. subcontract
- L. A. Adamic and M. S. Ackerman, EAGER: Cultural Issues in Sharing Expertise: Characterizing and Evaluating Online Question-Answer Communities, NSF IIS, \$237,752, Sept 2009 – August 2011.
- T. Finin A Framework for Managing the Assured Information Sharing Lifecycle, Multi-disciplinary University Research Initiative (MURI), AFOSR, 2008-11. (co-PI)
- L. A. Adamic, 'Information Dynamics in Virtual Spaces', \$413,000 NSF CAREER IIS.
- L. A. Adamic, 'Diversity and impact in collective endeavors', Rackham Faculty Research Grant, 0.25 GSRA fall'08-winter'09.
- L. A. Adamic and M. S. Ackerman, 'Identifying and harnessing expertise in online forums', Army Research Institute, \$87,000 Sept 2007 – Sept 2008
- L. A. Adamic, 'Information diffusion and evolution in online communities', IC postdoctoral fellowship, \$200,000 2 years starting Jan. 2008
- L. A. Adamic, 'Information diffusion across community boundaries', NEC Laboratories, \$18,000 Sept. – Dec. 2007
- L. A. Adamic and C. P. Simon, 'Networks Across Disciplines', a Rackham Interdisciplinary Workshop. \$9,000 3 semesters, Jan 2006 – Jun 2007
- L. A. Adamic and S. Bhavnani, 'VISP – Visualizing Information Search Processes', Microsoft Live Labs, \$49,250 1 year, Jun 2006 – Sept 2007

HONORS AND AWARDS:

2012 University of Michigan Henry Russell award

INVITED TALKS:

May 1st, 2012 APLIC conference keynote
April 18th, 2012 Collective intelligence conference
March 22nd, 2012 Technicolor seminar series
March 13th, 2012 Adobe Big Data Analytics seminar
Nov. 18th, 2011 MIT HCI seminar
Oct. 7th, 2011 Stanford HCI seminar
Sept. 14th, 2011 Berkeley EECS seminar
August 22, 2011 Workshop on Mining and Learning with Graphs, San Diego, CA
April 8th, 2011 Conference on Applications of Network Theory, Nordita, Stockholm
March 14th, 2011 SXSW panel: Crowdsourcing: Innovation and/or Exploitation
March 5th, 2011 Web Science Meets Network Science Workshop, Northwestern
Nov 12th, 2010 Purdue Cyber Center seminar
Nov 4th, 2010 Michigan State University Social Media Seminar Series
May 7th, 2010 St. Olaf College Science Symposium
Sept 26th, 2009 Workshop on information in networks, NYU
Sept 14th, 2009 Complex systems/biophysics seminar, UofM
Sept 3rd, 2009 NICO complexity conference, Northwestern
July 20, 2009 HarambeeNet Workshop, Duke
Jun 29th, 2009 Keynote speaker, Hypertext 2009

April 24^h, 2009 Studying Society in a Digital World Conference, Princeton
 April 17th, 2009 Rutgers LIS Research Talk
 Feb 27th, 2009 Princeton Center for IT Policy seminar
 Feb 19th, 2009 UIUC HCI Seminar
 Feb 16th, 2009 University of Minnesota Computer Science Seminar
 Nov 13th, 2008 Georgia Tech Web Science Seminar
 Nov 6th, 2008 NIH workshop on "Modeling Social Behavior"
 May 27th 2008 Yahoo, NY Research Seminar
 May 5th 2008 Google/CMU machine learning seminar, Pittsburgh, PA
 April 11th 2008 workshop on economic networks @ Stanford
 March 20th 2008 Notre Dame Network Science Seminar
 March 14th 2008 UMD Computer Science Seminar
 Feb. 26th 2008 KDD conference, Oakridge, TN
 Feb. 1st 2008 Peer production meeting @ Yahoo, NY.
 Jan. 15th 2008 Communication dept. seminar, Northwestern, IL
 Dec. 7th, 2007 Computational Social Science Conference, Harvard, MA,
 Oct. 18th, 2007 NYU Stern School of Business IOMS Lecture.
 June 2007 'Data dump: a closer look at online social activity', *Supernova 2007*, San Francisco, CA.
 May 2007 'Expertise networks in online communities: structure and algorithms', *NetSci 2007*, New York, NY
 April 20th, 2007, The USMA-ARI Network Science Workshop, West Point, NY
 March 31, 2007, Cornell Microsoft International Symposium on Self-Organizing Online Communities, Ithaca, NY.
 November 28th, 2006, AI Seminar, University of Michigan, Ann Arbor, MI
 November 10th, 2006, Cornell ISS Networks Workshop: Search and Diffusion on Social Networks, Ithaca, NY
 October 20th, 2006 Radcliffe Exploratory Seminar: Dynamic Networks: Behavior, Optimization and Design, Cambridge, MA
 June 9th, 2006 Annenberg Hyperlinked Society Conference, Philadelphia, PA
 May 16th, 2006 NetSci Workshop, Bloomington Indiana
 May 23rd, 2006 NetSci Conference, Bloomington Indiana
 May 4th and 9th, 2006 Google Tech Talks, Mountain View, CA
 January 27th, 2006, Futurtech, Virtual links panel, U Michigan
 January 12th, 2006, STIET seminar, U Michigan
 December 13th, 2005, lecturer, International School on Semiotic Dynamics, Language and Complexity, Erice, Italy
 November 9th, 2005, MOCHI seminar, U Michigan
 October 8th, 2005, Reflections | Projections 2005, UIUC
 August 3rd, 2005, NEC Labs, Cupertino, CA
 June 13th, 2005, Agent Network Dynamics and Intelligence '05, Kitakyushu city, Japan
 May, 20th 2005, Solomon seminar, Josef Stefan Institute, Ljubljana, Slovenia.
 May 16-28th, 2005, lecturer, School and Workshop on Structure and Function of Complex Networks, Trieste, Italy
 January 28, 2005, "Information Dynamics in a Networked World", Indiana University
 November 2004. 'Implicit structure and the dynamics of blogspace', *Accelerating Change 2004*, Stanford, CA,
 May 2004 'Information Flow in Social Groups', *CNLS Conference on Networks*, Santa Fe, NM.,
 March 3, 2004 "How to search in a small world", Lawrence Livermore National Lab
 October 23, 2003, "A social network caught in the Web", Mills College
 June 2002. 'Local search in unstructured networks', *XVIII Sitges Conference on Statistical Mechanics*, Sitges, Spain,
 November 2001 'P2PSearch that scales', *O'Reilly Peer-to-Peer & Web Services Conference*, Washington, D.C..
 May 5, 2000, "Hidden order in the Web", Stanford University

CONFERENCE AND WORKSHOP COMMITTEES:

Program Committee, WWW 2012

Senior Program Committee, WSDM 2012
 Program co-chair, ICWSM 2011
 Co-chair, WWW 2011 social graph track
 Associate chair, CHI 2011, Beyond the Individual track
 Senior Program Committee, WSDM 2010
 Program Committee, WOSN 2010
 Program Committee, EC 2010
 Senior Program Committee, ICSWM 2010
 Program Committee, WSDM 2009
 Program Committee, Social Mobile Web workshop at SocialCom'09
 Program Committee, IEEE Social Computing 2009
 Program Committee, EC 2009
 Program Committee, ICWSM 2009
 Program Committee, Web Search Click Data Workshop at WSDM 2008
 Co-chair, WWW2009 Social Networks and Web 2.0 track
 Program Committee, SSM 2008, CIKM workshop on Search in Social Media
 Program Committee, WOSN 2008 – The First ACM SIGCOMM Workshop on Online Social Networks
 Program Committee, HT'08, ACM Hypertext 2008 Social Linking track
 Program Committee, ICWSM 2008, International Conference on Weblogs and Social Media
 Deputy-chair, WWW2008 Social Networks and Web 2.0 track
 Organizing committee, 2007 German-American Frontiers of Science meeting
 Program Committee, ICDM 07 workshop on Data Mining in Web 2.0 Environments
 Program Committee, WEBKDD/SNAKDD07,
 Program Committee, AAAI-07, Artificial intelligence and the Web
 Program Committee, WWW2007 Search Track
 Program Committee, AAAI-06, Artificial intelligence and the Web
 Program Committee, AIRWeb 2006
 Program Committee, TextGraph 2006
 Program Committee, 2006 ACM Conference on Electronic Commerce
 Organizing committee, 2006 German-American Frontiers of Science meeting
 Program committee, ISWC-2005 Workshop on: Semantic Network Analysis, Galway Ireland, November 9th, 2004.
 Program committee, Link-KDD 2005
 Program committee, WWW 2005 2nd Annual Workshop on the Weblogging Ecosystem
 Program committee, 2004 Workshop on Algorithms and Models for the Web-Graph (WAW2004)
 Program committee, FOAF Workshop on Friend of a Friend, Social Networking and the (Semantic) Web 2004.
 Program committee, Workshop on Link Analysis and Group Detection (LinkKDD2004), August 2004.
 Co-chair, WWW 2004 Workshop on the Weblogging Ecosystem: Aggregation, Analysis and Dynamics.
 Program committee, 2nd International Workshop on Web Dynamics, 2002.

JOURNAL REVIEWING:

Science, Nature, PNAS, Physical Review Letters, Physical Review E, Physica A, New Journal of Physics, Lecture Notes in Physics, Communications of the ACM, Journal of Bioinformatics and Computational Biology, IEEE transactions on Parallel and Distributed Systems, IEEE Internet Computing, Journal of Computer-Mediated Communication, ACM Transactions on the Web, IOP, JSTAT, First Monday.

PH. D. STUDENTS ADVISED:

Xiaolin Shi, EECS, PhD 2009, information dynamics in social networks
 (co-advised with Martin Strauss)

Eytan Bakshy, SI, PhD 2011
Jiang Yang, SI, PhD 2011 (co-advised with Mark Ackerman)
Edwin Teng, Sept 2010 -

PH.D. COMMITTEES:

Gunes Erkan (chair: Dragomir Radev) U. Michigan EECS 2006
Elizabeth Leicht (chair: Mark E. J. Newman) U. Michigan Physics 2008
Jun Zhang (chair: Mark Ackerman) U. Michigan SI 2008
Samir Shah (chair: Brian Noble) U. Michigan EECS 2009
Gourab Goshal (chair: M. E. J. Newman) U. Michigan Physics 2009
Warren Sutton (chair: Lawrence Seiford) U. Michigan IOE 2009
Katharine Anderson (chair: Scott Page) U. Michigan Economics 2010
Ahmed Hassan (chair: Dragomir Radev) U. Michigan CSE 2011
Hiroshi Onishi (chair: Puneet Manchanda) U. Michigan Business 2011
Tracy Liu (chair: Yan Chen) U. Michigan SI 2012 (expected)
Vahed Qazvinian (chair: Dragomir Radev): U Michigan EECS 2012 (expected)

POSTDOCTORAL FELLOWS SUPERVISED:

Liuling Gong, 2010-2011
David Huffaker 2009-2010
Nelson Manohar 2008-2009

SUMMER INTERNS SUPERVISED:

Jure Leskovec, 2005, Ph.D. student in Computer Science from CMU. Jure analyzed the statistical properties of a large scale recommendation network.

Joshua O'Madadhain, 2004, Ph.D. student in Computer Science from UC Irvine. His project included applying link prediction to email networks as well as using predictive metrics to filter inaccurate social network data.

RESEARCH EXPERIENCE:

HP Labs, 2001-2005 Research Staff Member
Worked on various research projects relating to networks constructed from large data sets. These projects included mining the medical literature for gene-disease connections, tracking and modeling information flow in email and blog networks, modeling search processes on real-world social networks, and building expertise-finding systems for HP's internal use.

Stanford University/ Xerox PARC, 1997 — 2001 Graduate Research Assistant
I had the opportunity to work on my PhD at Stanford while collaborating with researchers at Xerox PARC, since my advisor, Prof. Bernardo A. Huberman was affiliated with both. I modeled growth and search processes of the internet.

Caltech, 1996-1997 Undergraduate Research Assistant
Worked under the supervision of Prof. Harry A. Atwater on materials deposition with pulsed laser ablation.

Caltech, 1994-1995 Undergraduate Research Assistant
Worked under the supervision of Prof. Donald Burnett and Dr. Roger Wiens on designing an electrostatic solar wind concentrator for the Genesis mission.

PROFESSIONAL AFFILIATIONS:

ACM, AAAI

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