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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Ph.D., Electrical Engineering and Computer Science, January 2007.

Thesis: *Supporting Finding and Re-Finding Through Personalization*

Advisor: Prof. David R. Karger

Committee Members: Prof. Mark S. Ackerman, Dr. Susan T. Dumais, Prof. Robert C. Miller

S.M., Electrical Engineering and Computer Science, June 2001.

Thesis: *Improving Information Retrieval with Textual Analysis: Bayesian Models and Beyond*

Advisor: Prof. David R. Karger

Yale University, New Haven, CT

B.S., Computer Science, May 1998.

Cum laude, with distinction in major.

Senior thesis: *Automatically Creating High Quality Internet Directories*

Advisor: Prof. Gregory D. Hager

PROFESSIONAL EXPERIENCE

Researcher, Microsoft Research, 2006 – Present.

Studied the history of digital content (how the content has changed and how people have interacted with it over time) and built tools to take advantage of that history. Developed a community of researchers interested in personal information management. Published numerous papers, presented research to the academic community, and influenced product decisions.

Research Assistant, Massachusetts Institute of Technology, Computer Science and Artificial Intelligence Laboratory, 1999 – 2006.

Explored re-finding in dynamic information environments. Developed the Re:Search Engine, a tool to support re-finding by preserving previous search contexts. Devised a generative document model for information retrieval that more closely matches real text data than previous naïve Bayesian models.

Research Intern, Microsoft Research, Spring 2004.

Investigated the variation in goals of people using Web search engines. Developed a system to personalize Web search results by implicitly inferring the user's intent based on previously encountered information.

Software Engineer, Infoseek, Summer 1997, July 1998 – August 1999. Recipient *Go Getter Award*.

Researched Internet organization and methods for determining Web page quality. Lead engineer for the software controlling all inter- and intra-application navigation. Worked with application teams to enable them to take advantage of the powerful navigation software built by my group.

Summer Intern, Cornerstone Consulting Group, Summer 1996.

Worked as part of a team to design customer initiation environment for E*Trade. Implemented models to understand the design decisions. Performed log analysis of traffic patterns of Samsung's Web site.

AWARDS AND HONORS

Financial Technology Option (FTO), MIT Sloan School, 2003.

Recipient of Infoseek Corporation's Go Getter Award, 1999.

Computer Research Association Outstanding Undergraduate Award, honorable mention, 1998.

Invited to membership in Tau Beta Pi, 1997.

FELLOWSHIPS

National Science Foundation Graduate Research Fellowship, 1999 – 2003.

National Defense Science and Engineering Graduate Fellowship, honorable mention, 1998.

YALE UNIVERSITY

Graduated Yale University *Cum laude*, with distinction in major, 1998.

Master's Cup, Timothy Dwight College, 1998.

J. Edward Meeker Prize for Excellence in Freshman composition, 1995.

Bloch Prize for the Freshman who shall write the best essay in English, 1995.

TEACHING EXPERIENCE

Guest Lecturer. *INSC598, Personal Information Management.* University of Washington, Seattle, WA, April 2008. Instructor: Prof. William Jones

Guest Lecturer. *i141: Search Engines: Technology, Society, and Business.* University of California, Berkeley, CA, November 2007. Instructor: Prof. Marti Hearst

Teaching Assistant, *6.893, User Interface Design and Implementation,* Massachusetts Institute of Technology, Fall 2003. Instructor: Prof. Robert C. Miller

Teaching Assistant, *6.042, Mathematics for Computer Science,* Massachusetts Institute of Technology, Fall 2001. Instructors: Prof. Albert Myer, Prof. Radhika Nagpal

Supervisor, Undergraduate Research Opportunities Program (UROP), Massachusetts Institute of Technology, Spring 2005.

Guest Lecturer, *ENGR3220, Human Factors and Interface Design,* Franklin W. Olin College of Engineering, May 2005. Instructor: Prof. Lynn Andreas Stein

PROFESSIONAL ACTIVITIES

Organizer, Personal Information Management workshop, 2008 – 2009.

Founder and Organizer, Student Workshop for Information Retrieval and Language (SWIRL), 2004.

Founder and Organizer, Human Computer Interaction Seminar Series, Massachusetts Institute of Technology, Computer Science and Artificial Intelligence Laboratory, 2003 – present.

Organizer, Haystack Reading Group, 2003.

Institute Representative, Faculty Committee on the Library System, 2003 – 2005.

Graduate Student Council Representative, Massachusetts Institute of Technology, 2002 – 2003.
Academics, Research and Careers Committee, Funding Board.

Member, Graduate Women of Course 6 (GW6), Massachusetts Institute of Technology, 2001 – 2007.

Participant, Rights and Responsibilities in Research, Massachusetts Institute of Technology, 2001.

Member, ACM, SIGIR, SIGCHI, Greater Boston SIGCHI.

Program Committee, SIGIR, CHI, CIKM, WWW, IiX, PIM, UIIR, SOW.

Reviewer, SIGIR, CHI, UIST, CSCW, CIKM, ECIR, WSDM, WWW, GI, AAI, SOW, IWC, IiX, HCIR, HCI, TOIS, TOCHI, TWeb, CACM.

PUBLICATIONS

BOOKS

1. William Jones and **Jaime Teevan** (Eds.). *Personal Information Management*. Seattle: University of Washington Press, 2007.

BOOK CHAPTERS

2. **Jaime Teevan**, Robert Capra and Manuel A. Pérez-Quñones. “How People Find Personal Information.” In William Jones and Jaime Teevan (Eds.), *Personal Information Management*. Seattle: University of Washington Press, 2007.
3. Diane Kelly, **Jaime Teevan** and Richard Boardman. “Understanding What Works: Evaluating PIM Tools.” In William Jones and Jaime Teevan (Eds.), *Personal Information Management*. Seattle: University of Washington Press, 2007.

EDITORSHIPS

4. **Jaime Teevan**, William Jones and Benjamin B. Bederson (Eds.). *Special Issue on Personal Information Management*. Communications of the ACM (CACM), 49(1), January 2006.

REFEREED JOURNAL ARTICLES

5. **Jaime Teevan**, Susan T. Dumais and Eric Horvitz. *Potential for Personalization*. To appear in the ACM Transactions on Computer-Human Interaction (TOCHI) special issue on Data Mining for Understanding User Needs, 2009.
6. **Jaime Teevan**. *How People Recall, Recognize, and Reuse Search Results*. ACM Transactions on Information Systems (TOIS) special issue on Keeping, Refinding, and Sharing Personal Information, 26(4), September 2008.
7. Edward Cutrell, Susan T. Dumais and **Jaime Teevan**. *Searching to Eliminate Personal Information Management*. Communications of the ACM (CACM), Special Issue on Personal Information Management, 49(1), January 2006. [Citations: 48]
8. Diane Kelly and **Jaime Teevan**. *Implicit Feedback for Inferring User Preference: A Bibliography*. SIGIR Forum, 37(2), 2003. [Citations: 218]

REFEREED CONFERENCE PAPERS

9. Eytan Adar, **Jaime Teevan** and Susan T. Dumais. *Resonance on the Web: Web Dynamics and Revisitation Patterns*. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI ‘09), Boston, MA, April 2009. [Acceptance rate: 277/1130, 25%]
10. **Jaime Teevan**, Edward Cutrell, Danyel Fisher, Steven M. Drucker, Gonzalo Ramos, Paul André and Chang Hu. *Visual Snippets: Summarizing Web Pages for Search and Revisitation*. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI ‘09), Boston, MA, April 2009 (Presenter). [Acceptance rate: 277/1130, 25%; Citations: 1]
11. Paul André, **Jaime Teevan** and Susan T. Dumais. *From X-Rays to Silly Putty via Uranus: Serendipity and its Role in Web Search*. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI ‘09), Boston, MA, April 2009 (Note). [Acceptance rate: 277/1130, 25%; Citations 1]
12. **Jaime Teevan**, Meredith Ringel Morris and Steve Bush. *Discovering and Using Groups to Improve Personalized Search*. In Proceedings of the Second ACM International Conference on Web Search and Data Mining (WSDM ‘09), Barcelona, Spain, February 2009 (Presenter). [Acceptance rate: 29/170, 17%]
13. Eytan Adar, **Jaime Teevan**, Susan T. Dumais and Jonathan L. Elsas. *The Web Changes Everything: Understanding the Dynamics of Web Content*. In Proceedings of the Second ACM International Conference on Web Search and Data Mining (WSDM ‘09), Barcelona, Spain, February 2009 (Best Student Paper). [Acceptance rate: 29/170, 17%; Citations: 1]

14. Ryen W. White, Susan T. Dumais, and **Jaime Teevan**. *Characterizing the Influence of Domain Expertise on Web Search Behavior*. In Proceedings of the Second ACM International Conference on Web Search and Data Mining (WSDM '09), Barcelona, Spain, February 2009. [Acceptance rate: 29/170, 17%; Citations: 2]
15. Meredith Ringel Morris, **Jaime Teevan** and Steve Bush. *Enhancing Collaborative Web Search with Personalization: Groupization, Smart Splitting, and Group Hit-Highlighting*. In Proceedings of the 2008 ACM Conference on Computer Supported Cooperative Work (CSCW '08), San Diego, CA, November 2008 (Note). [Acceptance rate: 86/370, 23%; Citations: 1]
16. **Jaime Teevan**, Susan T. Dumais, and Daniel J. Liebling. *To Personalize or Not to Personalize: Modeling Queries with Variation in User Intent*. In Proceedings of the 31th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '08), Singapore, July 2008 (Presenter). [Acceptance rate: 85/497, 17%; Citations: 4]
17. Eytan Adar, **Jaime Teevan** and Susan T. Dumais. *Large Scale Analysis of Web Revisitation Patterns*. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '08), Florence, Italy, April 2008 (Best Paper). [Acceptance rate: 157/714, 22%; Citations: 7]
18. **Jaime Teevan**. *"Where'd it Go?": How People Ask After Lost Web Information*. In Proceedings of the Annual Meeting of the American Society for Information Science and Technology (ASIST '07), Milwaukee, WI, October 2007 (Presenter). [Citations: 5]
19. **Jaime Teevan**. *The Re:Search Engine: Simultaneous Support for Finding and Re-Finding*. In Proceedings of the 20th Annual ACM Symposium on User Interface Software and Technology (UIST '07), Newport, RI, October 2007 (Presenter). [Acceptance rate: 24/129, 19%; Citations: 11]
20. **Jaime Teevan**, Eytan Adar, Rosie Jones and Michael Potts. *Information Re-Retrieval: Repeat Queries in Yahoo's Logs*. In Proceedings of the 30th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '07), Amsterdam, The Netherlands, July 2007. [Acceptance rate: 85/490, 17%; Citations: 29]
21. **Jaime Teevan**, Susan T. Dumais and Eric Horvitz. *Personalizing Search via Automated Analysis of Interests and Activities*. In Proceedings of the 28th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '05), Salvador, Brazil, August 2005 (Presenter). [Acceptance rate: 71/368, 19%; Citations: 201]
22. **Jaime Teevan**, Christine Alvarado, Mark S. Ackerman and David R. Karger. *The Perfect Search Engine is Not Enough: A Study of Orienteering Behavior in Directed Search*. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '04), Vienna, Austria, April 2004 (Presenter). [Acceptance rate: 93/578, 16%; Citations: 176]
23. Jason D. M. Rennie, Lawrence Shi, **Jaime Teevan** and David R. Karger. *Tackling the Poor Assumptions of Naive Bayes Text Classifiers*. In Proceedings of the Twentieth International Conference on Machine Learning (ICML '03), Washington, D.C., August 2003. [Acceptance rate: 119/371, 32%; Citations: 148]
24. **Jaime Teevan** and David R. Karger. *Empirical Development of an Exponential Probabilistic Model for Text Retrieval: Using Textual Analysis to Build a Better Model*. In Proceedings of the 26th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '03), Toronto, Canada, July 2003 (Presenter). [Acceptance rate: 46/266, 17%; Citations: 19]

REFEREED POSTERS

25. Ryen W. White, Susan T. Dumais and **Jaime Teevan**. *How Medical Expertise Influences Web Search Interaction*. In Proceedings of the 31th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '08), Singapore, July 2008. [Citations: 1]
26. **Jaime Teevan**, Susan T. Dumais and Eric Horvitz. *Characterizing the Value of Personalizing Search*. In Proceedings of the 30th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '07), Amsterdam, The Netherlands, July 2007. [Citations: 28]

27. **Jaime Teevan**, Eytan Adar, Rosie Jones and Michael Potts. *History Repeats Itself: Repeat Queries in Yahoo's Logs*. In Proceedings of the 29th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '06), Seattle, WA, August 2006. [Citations: 21]
28. **Jaime Teevan**. *How People Recall Search Result Lists*. Submitted to the ACM Conference on Human Factors in Computing Systems (CHI '06), Montreal, Canada, April 2006. [Citations: 6]
29. **Jaime Teevan**. *Displaying Dynamic Information*. In Proceedings of ACM CHI 2001 Conference on Human Factors in Computing Systems, Extended Abstract, Seattle, WA, April 2001. [Citations: 6]

PANELS

30. Deborah Barreau and **Jaime Teevan**. *Shared Personal Space: Meeting the Needs of Multiple Users and Multiple Purposes*. The Annual Meeting of the American Society for Information Science and Technology (ASIST '09), Vancouver, British Columbia, November 2009 (Moderator).
31. Jennifer Mankoff, **Jaime Teevan**, Benjamin B. Bederson and Gregory D. Abowd. *Real Life and Real Work: Real Experiences Negotiating the Competing Needs of Illness, Disability, Children, and Work*. ACM Conference on Human Factors in Computing Systems (CHI '09), Boston, MA, April 2009.
32. Judith V. Boettcher, Pam McQuesten, **Jaime Teevan** and Boris Vilic. *Personal Information Management (PIM) with Mobile Devices*. Campus Technology, Boston, MA, August 2006.
33. William Jones, Mary Czerwinski, **Jaime Teevan**, Catherine Plaisant, Thomas P. Moran and Alan Dix. *The Challenge of Personal Information Management*. Interact 2005, Rome, Italy, September 2005.

WORKSHOPS

34. Deborah Barreau, **Jaime Teevan** and Jacek Gwizdka. *Personal Information Management (PIM) Workshop 2009*. A workshop at the Annual Meeting of the American Society for Information Science & Technology. Vancouver, British Columbia, November 2009 (Organizer).
35. Nicholas J. Belkin, Ralf Bierig, Georg Buscher, Ludger van Elst, Jacek Gwizdka, Joemon Jose, and **Jaime Teevan**. *Understanding the User: Logging and Interpreting User Interactions in Information Search and Retrieval*. A workshop at the 32nd Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '09), Boston, MA, July 2009 (Organizer).
36. **Jaime Teevan**, Susan T. Dumais and Zachary Gutt. *Challenges for Supporting Faceted Search in Large, Heterogeneous Corpora like the Web*. In Proceedings of the Second Workshop on Human-Computer Interaction and Information Retrieval (HCIR '08), Redmond, WA, October 2008 (Poster).
37. Meredith Ringel Morris and **Jaime Teevan**. *Understanding Groups' Properties as a Means of Improving Collaborative Search Systems*. In Proceedings of the Joint Conference on Digital Libraries (JCDL '08) Workshop on Collaborative Information Retrieval, Pittsburgh, PA, June 2008.
38. **Jaime Teevan** and William Jones. *The Disappearing Desktop (PIM 2008)*. A workshop at the ACM Conference on Human Factors in Computing Systems (CHI '08), Florence, Italy, April 2008 (Organizer). [Workshop report published in SIGIR Forum, 42(2), 2008.]
39. Einat Amitay, G. Craig Murray and **Jaime Teevan**. *Query Log Analysis: Social and Technological Challenges*. A workshop at the 16th International World Wide Web Conference (WWW '07), Banf, Canada, May 2007 (Organizer). [Workshop report published in SIGIR Forum, 41(2), 2007.]
40. **Jaime Teevan**. *Maintaining Consistency without Stagnation during Exploratory Search*. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '07) Workshop on Exploratory Search and HCI (Presenter).
41. **Jaime Teevan**, Susan T. Dumais and Eric Horvitz. *Beyond the Commons: Investigating the Value of Personalizing Web Search*. In Proceedings of Workshop on New Technologies for Personalized Information Access (PIA '05), Edinburgh, Scotland, UK, July 2005.
42. **Jaime Teevan** and Nicholas J. Belkin. *Don't Drop the Ball: Re-Finding Personal Information*. The PIM Workshop, an NSF Sponsored Invitational Workshop of Personal Information Management, Seattle, WA, January 2005 (Presenter).

43. **Jaime Teevan**. *The Re:Search Engine: Helping People Return to Information on the Web*. The PIM Workshop, An NSF Sponsored Invitational Workshop of Personal Information Management, Seattle, WA, January 2005 (Poster).
44. **Jaime Teevan**. *Seesaw: Personalized Web Search*. Student Workshop for Information Retrieval and Learning (SWIRL '04), Amherst, MA, November 2004 (Presenter).
45. **Jaime Teevan**. "Where'd It Go?": *Re-Finding Information in the Changing Web*. In Proceedings of the Student Oxygen Workshop, Gloucester, MA, September 2003.
46. David Karger and **Jaime Teevan**. *Go to the Source: Capturing User Preferences at the Desktop*. In Proceedings of the 26th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '03) Workshop on Implicit Measures of User Interests and Preferences, Toronto, Canada, July 2003.
47. **Jaime Teevan**. *Automatic Directory Gatherer*. In Proceedings of the 21st Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '98) Workshop on Hypertext IR for the Web, Melbourne, Australia, August 1998 (Presenter).

DOCTORAL CONSORTIA

48. **Jaime Teevan**. *The Re:Search Engine: Helping People Return to Information On the Web*. In Proceedings of the ACM Symposium on User Interface Software and Technology (UIST '05), Seattle, WA, October 2005.
49. **Jaime Teevan**. *The Re:Search Engine: Helping People Return to Information On the Web*. In Proceedings of the 28th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '05), Salvador, Brazil, August 2005.

TECHNICAL REPORTS

50. **Jaime Teevan**. *How People Re-find Information When the Web Changes*. MIT AIM-2004-012, June 2004.
51. Christine Alvarado, **Jaime Teevan**, Mark S. Ackerman and David R. Karger. *Surviving the Information Explosion: How People Find Their Electronic Information*. MIT AIM-2003-006, April 2003.
52. **Jaime Teevan**. *Improving Information Retrieval with Textual Analysis: Bayesian Models and Beyond*. Master's thesis, Massachusetts Institute of Technology, May 2001.

Publications available electronically from <http://www.teevan.org/work/publications/>.

PATENTS

- Ryen W. White, Susan T. Dumais and **Jaime Teevan**. *Domain Expertise Determination*. Filed October 2008 (Pending).
- Danyel Fisher, **Jaime Teevan**, Steven M. Drucker, Edward Cutrell, Gonzalo A. Ramos, Joseph Pitt and Paul André. *Visual Summarization of Web Pages*. Filed September 2008 (Pending).
- Jaime Teevan**, Susan T. Dumais, Eric Horvitz and Daniel J. Liebling. *Using Variation in User Interest to Enhance the Search Experience*. Filed June 2008 (Pending).
- Eytan Adar, **Jaime Teevan**, Susan T. Dumais and Daniel J. Liebling. *Relating Web Page Change with Revisitation Patterns*. Filed June 2008 (Pending).
- Eytan Adar, **Jaime Teevan**, Susan T. Dumais and Daniel J. Liebling. *Using Web Revisitation Patterns to Support Web Interaction*. Filed June 2008 (Pending).
- Meredith Ringel Morris, **Jaime Teevan**, James W. Mickens and Saleema Amershi. *Methods for Using Related Users' Data to Enhance Web Search*. Filed February 2008 (Pending).
- Jaime Teevan**, Susan T. Dumais and Eric Horvitz. *Systems, Methods, and Interfaces for Providing Personalized Search and Information Access*. Filed October 2004 (Pending).

INVITED TALKS

1. **Jaime Teevan.** *The Web Changes Everything: How Dynamic Content Affects the Way People Find Online.* Massachusetts Institute of Technology, Cambridge, MA, April 2009.
2. **Jaime Teevan.** *Finding and Re-Finding Personal Information.* University of Washington, Seattle, WA, April 2008.
3. **Jaime Teevan.** *Personalization and Search.* University of California, Berkeley, CA, November 2007.
4. **Jaime Teevan.** *Re-finding!* Franklin W. Olin College of Engineering, Needham, MA, May 2005.
5. **Jaime Teevan.** *Helping People Find Information Better.* Greater Boston Chapter / ACM and Boston IEEE Computer Society, Cambridge, MA, April 2005.
6. **Jaime Teevan.** *Personalizing Web Search: Uncommon Responses to Common Queries.* Palo Alto Research Center (PARC), Palo Alto, CA, October 2004; Yahoo!, Sunnyvale, CA, October 2004; MIT CSAIL Student Seminar, Cambridge, MA, October 2004.
7. **Jaime Teevan.** *Personalizing Web Search.* Microsoft Research, Redmond, WA, May 2004.
8. **Jaime Teevan.** *The Perfect Search Engine is Not Enough.* University of Washington iSchool, Seattle, WA, April 2004.
9. **Jaime Teevan.** *Surviving the Information Explosion: How People Find Their Electronic Information.* IBM Watson Research Center, Cambridge, MA, June 2003.
10. **Jaime Teevan** and Christine Alvarado. *Surviving the Information Explosion.* MIT AI Lab Student Seminar, Cambridge, MA, November 2001.
11. **Jaime Teevan.** *Improving Information Retrieval with Textual Analysis: Bayesian Models and Beyond.* MIT EECS Masterworks, Cambridge, MA, April 2001.

MEDIA

- Robert Lemos. *Microsoft Searches for Group Advantage.* Technology Review, 30 January 2009.
- Luca Chittaro. *The Disappearing Desktop: An Interview with Jaime Teevan (Microsoft) and William Jones (Univ. Washington).* Il Sole 24 Ore, 6 April 2008.
- Anne Zelenka. *Who Will Own the Search Experience?* GigaOM, 18 October 2007.
- Michelle Slatalla. *A Narrow Window into the Future.* The New York Times, 26 April 2007.
- Celeste Biever. *Your Very Own Personal Search Engine.* New Scientist (2514), 27 August 2005.
- Jon Gordon. *Web Search Gets Personal.* Future Tense (broadcast on NPR), 26 August 2005.

REFERENCES

Prof. David R. Karger CSAIL, MIT 32 Vassar St., 32-G592 Cambridge, MA 02139 (617) 258-6167 karger@lcs.mit.edu	Prof. Robert C. Miller CSAIL, MIT 32 Vassar St., 32-G716 Cambridge, MA 02139 (617) 324-6028 rcm@mit.edu	Prof. Mark S. Ackerman University of Michigan 305A West Hall Ann Arbor, MI 48109 (734) 763-5439 ackerm@umich.edu	Dr. Susan T. Dumais Microsoft Research One Microsoft Way Redmond, WA 98052 (425) 936-8049 sdumais@microsoft.com
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Additional references available upon request.