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EDUCATION

- Dec 2008 **University of California, Berkeley, CA**
Ph.D. in Computer Science
Dissertation: *Supporting Asynchronous Collaboration for Information Visualization*
Committee: Maneesh Agrawala (*Advisor*), Marti Hearst, Joseph Hellerstein, Stuart K. Card
- Dec 2004 **University of California, Berkeley, CA**
M.S. in Computer Science
Advisors: James A. Landay, Marti Hearst
- May 2001 **University of California, Berkeley, CA**
B.S. with highest honors in Electrical Engineering and Computer Science
Advisors: Christos H. Papadimitriou, James A. Landay

PROFESSIONAL EXPERIENCE

- Starting Fall 2013...* **University of Washington, Computer Science & Engineering Dept, Seattle, WA**
Associate Professor (Acting)
- Jan 2009 - Present **Stanford University, Computer Science Dept, Stanford, CA**
Assistant Professor
- Aug 2002 - Dec 2008 **University of California, EECS Dept, Berkeley, CA**
Graduate Student Researcher & Instructor
- Jan - Apr 2007 **Microsoft Research, Redmond, WA**
Research Intern
- Jun - Sep 2006 **IBM T.J. Watson Research Center, Cambridge, MA**
Research Intern
- Jun - Sep 2005 **Tableau Software, Seattle, WA**
User Interface Development Intern
- Sep 2002 - May 2005 **Palo Alto Research Center, Inc., Palo Alto, CA**
Research Consultant
- Jun 2001 - Sep 2002 **Xerox Palo Alto Research Center, Palo Alto, CA**
Member of Research Staff
- Jan - May 2001 **University of California, Psychology Dept, Berkeley, CA**
Undergraduate Researcher
- Aug 2000 - May 2001 **University of California, EECS Dept, Berkeley, CA**
Undergraduate Researcher
- May - Aug 2000 **Xerox Palo Alto Research Center, Palo Alto, CA**
Undergraduate Research Intern

TEACHING EXPERIENCE

- Winter 2013 **Human-Computer Interaction Design Studio** (CS247, Stanford University)
Co-Instructor with Prof. Michael Bernstein (Rating 4.18/5, Area mean 4.16/5)
The Public Life of Science, Technology & Society (STS1, Stanford University)
Co-Instructor with Prof. Paula Findlen & Prof. John Willinsky (Rating 3.85/5, Area mean 4.26)
- Fall 2012 **Data Visualization** (CS448b, Stanford University)
Instructor (Rating 4.70/5, Area mean 4.19/5)
- Winter 2012 **Human-Computer Interaction Design Studio** (CS247, Stanford University)
Instructor (Rating 4.41/5, Area mean 4.22/5)
- Fall 2011 **Data Visualization** (CS448b, Stanford University)
Instructor (Rating 4.73/5, Area mean 4.23/5)
- Spring 2011 **Research Topics in Interactive Data Analysis** (CS448g, Stanford University)
Instructor (Rating 4.57/5, Area mean 4.22/5)
- Winter 2011 **Human-Computer Interaction Design Studio** (CS247, Stanford University)
Instructor (Rating 4.13/5, Area mean 4.16/5)
- Fall 2010 **Data Visualization** (CS448b, Stanford University)
Instructor (Rating 4.67/5, Area mean 4.18/5)
- Winter 2010 **Social Software** (CS294h, Stanford University)
Instructor (Rating 4.42/5, Area mean 4.16/5)
- Fall 2009 **Data Visualization** (CS448b, Stanford University)
Instructor (Rating 4.68/5, Area mean 4.22/5)
- Spring 2009 **Research Topics in Human Computer Interaction** (CS376, Stanford University)
Instructor (Rating 4.69/5, Area mean 4.19/5)
- Winter 2009 **Data Visualization** (CS448b, Stanford University)
Instructor (Rating 4.71/5, Area mean 4.15/5)
- Spring 2006 **Visualization** (CS294-10, UC Berkeley)
Co-Instructor with Prof. Maneesh Agrawala
- Fall 2005 **Information Visualization** (IS247, UC Berkeley)
Co-Instructor with Prof. Marti Hearst (Rating 6.4/7)
- Spring 2005 **Foundations of New Media** (IS146, UC Berkeley)
Graduate Student Instructor with Prof. Marc Davis, Prof. Peter Lyman, and danah boyd

REFEREED PUBLICATIONS

- Conference Papers **Topic Model Diagnostics: Assessing Domain Relevance via Topical Alignment.** Jason Chuang, Sonal Gupta, Christopher D. Manning, Jeffrey Heer. *To appear in Intl Conf. on Machine Learning (ICML)*, Jun 2013.
- imMens: Real-time Visual Querying of Big Data.** Zhicheng Liu, Biye Jiang, Jeffrey Heer. *Computer Graphics Forum (Proc. EuroVis)*, Jun 2013. [28% Acceptance Rate]

Selecting Semantically-Resonant Colors for Data Visualization. Sharon Lin, Julie Fortuna, Chinmay Kulkarni, Maureen Stone, Jeffrey Heer. *Computer Graphics Forum (Proc. EuroVis)*, Jun 2013. [28% Acceptance Rate]

The Efficacy of Human Post-Editing for Language Translation. Spence Green, Jeffrey Heer, Christopher D. Manning. *Proc. ACM Human Factors in Computing Systems (CHI)*, Apr 2013. [20% Acceptance Rate, **Best Paper Award**]

Enterprise Data Analysis and Visualization: An Interview Study. Sean Kandel, Andreas Paepcke, Joseph M. Hellerstein, Jeffrey Heer. *Proc. IEEE Visual Analytics Science & Technology (VAST)*, Oct 2012. [29% Acceptance Rate, Invited for inclusion in IEEE TVCG Journal, **Best Paper Honorable Mention**]

GraphPrism: Compact Visualization of Network Structure. Sanjay Kairam, Diana MacLean, Manolis Savva, Jeffrey Heer. *Proc. Advanced Visual Interfaces (AVI)*, May 2012. [28% Acceptance Rate]

Profiler: Integrated Statistical Analysis and Visualization for Data Quality Assessment. Sean Kandel, Ravi Parikh, Andreas Paepcke, Joseph Hellerstein, Jeffrey Heer. *Proc. Advanced Visual Interfaces (AVI)*, May 2012. [28% Acceptance Rate]

Termite: Visualization Techniques for Assessing Textual Topic Models. Jason Chuang, Christopher D. Manning, Jeffrey Heer. *Proc. Advanced Visual Interfaces (AVI)*, May 2012. [28% Acceptance Rate]

Color Naming Models for Color Selection, Image Editing and Palette Design. Jeffrey Heer, Maureen Stone. *Proc. ACM Human Factors in Computing Systems (CHI)*, May 2012. [23% Acceptance Rate]

Interpretation and Trust: Designing Model-Driven Visualizations for Text Analysis. Jason Chuang, Daniel Ramage, Christopher D. Manning, Jeffrey Heer. *Proc. ACM Human Factors in Computing Systems (CHI)*, May 2012. [23% Acceptance Rate]

Strategies for Crowdsourcing Social Data Analysis. Wesley Willett, Jeffrey Heer, Maneesh Agrawala. *Proc. ACM Human Factors in Computing Systems (CHI)*, May 2012. [23% Acceptance Rate]

Balancing Exertion Experiences. Florian Mueller, Frank Vetere, Martin Gibbs, Darren Edge, Stefan Agamanolis, Jennifer Sheridan, Jeffrey Heer. *Proc. ACM Human Factors in Computing Systems (CHI)*, May 2012. [23% Acceptance Rate, **Best Paper Nominee**]

D3: Data-Driven Documents. Michael Bostock, Vadim Ogievetsky, Jeffrey Heer. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'11)*, Oct 2011. [26% Acceptance Rate]

Divided Edge Bundling for Directional Network Data. David Selassie, Brandon Heller, Jeffrey Heer. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'11)*, Oct 2011. [26% Acceptance Rate]

Orion: A System for Modeling, Transformation and Visualization of Multidimensional Heterogeneous Networks. Jeffrey Heer, Adam Perer. *IEEE Visual Analytics Science & Technology (VAST)*, Oct 2011. [32% Acceptance Rate]

ReVision: Automated Classification, Analysis and Redesign of Chart Images. Manolis Savva, Nicholas Kong, Arti Chhajta, Li Fei-Fei, Maneesh Agrawala, Jeffrey Heer. *ACM User*

Interface Software & Technology (UIST), Oct 2011. [25% Acceptance Rate, Notable Paper Award]

Proactive Wrangling: Mixed-Initiative End-User Programming of Data Transformation Scripts. Philip J. Guo, Sean Kandel, Joseph Hellerstein, Jeffrey Heer. *ACM User Interface Software & Technology (UIST)*, Oct 2011. [25% Acceptance Rate]

Peripheral Paced Respiration: Influencing User Physiology during Information Work. Neema Moraveji, Ben Olson, Truc Nguyen, Mahmoud Saadat, Yaser Khalighi, Roy Pea, Jeffrey Heer. *ACM User Interface Software & Technology (UIST)*, Oct 2011. [25% Acceptance Rate]

MUSE: Reviving Memories Using Email Archives. Sudheendra Hangal, Monica S. Lam, Jeffrey Heer. *ACM User Interface Software & Technology (UIST)*, Oct 2011. [25% Acceptance Rate]

Visualizing Collaboration and Influence in the Open-Source Software Community. Brandon Heller, Eli Marschner, Evan Rosenfeld and Jeffrey Heer. *Proc. Mining Software Repositories (MSR)*, pp. 223-226, May 2011. [35% Acceptance Rate]

Wrangler: Interactive Visual Specification of Data Transformation Scripts. Sean Kandel, Andreas Paepcke, Joseph Hellerstein and Jeffrey Heer. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 3363-3372, May 2011. [26% Acceptance Rate]

CommentSpace: Structured Support for Collaborative Visual Analytics. Wesley Willett, Jeffrey Heer, Joseph Hellerstein and Maneesh Agrawala. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 3131-3140, May 2011. [26% Acceptance Rate, Best Paper Nominee]

Groups Without Tears: Mining Social Topologies from Email. Diana MacLean, Sudheendra Hangal, Seng Keat Teh, Monica Lam and Jeffrey Heer. *Proc. ACM Intelligent User Interfaces (IUI)*, pp. 83-92, Feb 2011.

Declarative Language Design for Interactive Visualization, Jeffrey Heer and Michael Bostock. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'10)*, 16(6), pp. 1149-1156, Oct 2010. [26% Acceptance Rate, Best Paper Honorable Mention]

Narrative Visualization: Telling Stories with Data. Edward Segel and Jeffrey Heer. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'10)*, 16(6), pp. 1139-1148, Oct 2010. [26% Acceptance Rate]

Perceptual Guidelines for Creating Rectangular Treemaps. Nicholas Kong, Jeffrey Heer and Maneesh Agrawala. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'10)*, 16(6), pp. 990-998, Oct 2010. [26% Acceptance Rate, Best Paper Honorable Mention]

Tracing Genealogical Data with TimeNets. Nam Wook Kim, Stuart K. Card, Jeffrey Heer. *Proc. Advanced Visual Interfaces*, pp. 241-248, May 2010. [20% Acceptance Rate]

Crowdsourcing Graphical Perception: Using Mechanical Turk to Assess Visualization Design. Jeffrey Heer, Michael Bostock. *Proc. ACM Human Factors in Computing Systems*, pp. 203-212, Apr 2010. [22.0% Acceptance Rate, Best Paper Nominee]

Protovis: A Graphical Toolkit for Visualization. Michael Bostock, Jeffrey Heer. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'09)*, 15(6), pp. 1121-1128, Nov/Dec 2009. [26% Acceptance Rate]

Sizing the Horizon: The Effects of Chart Size and Layering on the Graphical Perception of Time Series Visualizations. Jeffrey Heer, Nicholas Kong, Maneesh Agrawala. *Proc. ACM Human Factors in Computing Systems*, pp. 1303-1312, Apr 2009. [24.5% Acceptance Rate, Best Paper Award]

Graphical Histories for Visualization: Supporting Analysis, Communication, and Evaluation. Jeffrey Heer, Jock D. Mackinlay, Chris Stolte, Maneesh Agrawala. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'08)*, 14(6), pp. 1189-1196, Nov/Dec 2008. [26% Acceptance Rate]

Generalized Selection via Interactive Query Relaxation, Jeffrey Heer, Maneesh Agrawala, Wesley Willett. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 959-968, Apr 2008. [22% Acceptance Rate]

Design Considerations for Collaborative Visual Analytics, Jeffrey Heer, Maneesh Agrawala. *Proc. IEEE Symposium on Visual Analytics Science and Technology (VAST)*, pp. 171-178, Nov 2007. [42% Acceptance Rate] [Invited to a special edition of Information Visualization Journal]

Animated Transitions in Statistical Data Graphics, Jeffrey Heer, George G. Robertson. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'07)*, 13(6), pp. 1240-1247, Nov/Dec 2007. [23% Acceptance Rate]

Scented Widgets: Improving Navigation Cues with Embedded Visualizations, Wesley Willett, Jeffrey Heer, Maneesh Agrawala. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'07)*, 13(6), pp. 1129-1136, Nov/Dec 2007. [23% Acceptance Rate]

Voyagers and Voyeurs: Supporting Asynchronous Collaborative Information Visualization, Jeffrey Heer, Fernanda Viégas, Martin Wattenberg. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 1029-1038, Apr 2007. [24% Acceptance Rate]

Momento: Support for Situated Ubicomp Experimentation, Scott Carter, Jennifer Mankoff, Jeffrey Heer. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 125-134, Apr 2007. [24% Acceptance Rate]

Software Design Patterns for Information Visualization, Jeffrey Heer, Maneesh Agrawala. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'06)*, 12(5), pp. 853-860, Sep/Oct 2006. [24% Acceptance Rate]

Multi-Scale Banking to 45 Degrees, Jeffrey Heer, Maneesh Agrawala. *IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis'06)*, 12(5), pp. 701-708, Sep/Oct 2006. [24% Acceptance Rate]

TimeTree: Exploring Time Changing Hierarchies, Stuart K. Card, Bongwon Suh, Bryan Pendleton, Jeffrey Heer, John W. Bodnar. *Proc. IEEE Symposium on Visual Analytics Science and Technology (VAST)*, pp. 3-10, Oct 2006. [43% Acceptance Rate]

Profiles as Conversation: Networked Identity Performance on Friendster, danah boyd, Jeffrey Heer. *Proc. HICSS-39, Hawaii Int'l Conf. on System Sciences, Persistent Conversation Track*, Jan 2006. [48% Acceptance Rate]

Vizster: Visualizing Online Social Networks, Jeffrey Heer, danah boyd. *Proc. IEEE Symposium on Information Visualization (InfoVis)*, pp. 32-39, Oct 2005. [27% Acceptance Rate]

Prefuse: A Toolkit for Interactive Information Visualization, Jeffrey Heer, Stuart K. Card, James A. Landay. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 421-430, Apr

2005. [25% Acceptance Rate]

DOITrees Revisited: Scalable, Space-Constrained Visualization of Hierarchical Data, Jeffrey Heer, Stuart K. Card. *Proc. Advanced Visual Interfaces (AVI)*, pp. 421-424, May 2004. [26% Acceptance Rate]

Presiding Over Accidents: System Direction of Human Action, Jeffrey Heer, Nathaniel Good, Ana Ramirez, Marc Davis, and Jennifer Mankoff. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 463-470, 2004. [16% Acceptance Rate]

liquid: Context-Aware Distributed Queries, Jeffrey Heer, Alan Newberger, Christopher Beckmann, Jason I. Hong. *Proc. UbiComp 2003, 5th Annual Conference on Ubiquitous Computing*, pp. 140-148, Oct 2003. [14% Acceptance Rate]

LumberJack: Intelligent Discovery and Analysis of Web Traffic Composition, Ed H. Chi, Adam Rosien, Jeffrey Heer. *Proc. WEBKDD 2002: Web Mining for Usage Patterns and User Profiles*, pp. 1-16, Jul 2002. [40% Acceptance Rate]

What Did They Do? Understanding Clickstreams with the WebQuilt Visualization System, Sarah Waterson, Jason I. Hong, Tim Sohn, Jeffrey Heer, Tara Matthews, James A. Landay. *Proc. Advanced Visual Interfaces (AVI)*, pp. 94-102, 2002. [30% Acceptance Rate]

Separating the Swarm: Categorization Methods for User Access Sessions on the Web, Jeffrey Heer, Ed H. Chi. *Proc. ACM Human Factors in Computing Systems (CHI)*, pp. 243-250, Apr 2002. [15% Acceptance Rate]

Journal Articles **Identifying Medical Terms in Patient-Authored Text: A Scalable, Crowdsourcing-Based Approach**. Diana MacLean, Jeffrey Heer. *To appear in the Journal of the American Medical Informatics Association*, 2013.

Colony Life History and Lifetime Reproductive Success of Red Harvester Ant Colonies. Krista K. Ingram, Anna Pilko, Jeffrey Heer, Deborah M. Gordon. *Journal of Animal Ecology*, Jan 2013.

"Without the Clutter of Unimportant Words": Descriptive Keyphrases for Text Visualization. Jason Chuang, Christopher D. Manning, Jeffrey Heer. *ACM Transactions on Computer-Human Interaction*, 19(3), pp. 1-29, Oct 2012.

Interactive Dynamics for Visual Analysis. Jeffrey Heer, Ben Shneiderman. *Comm. of the ACM*, 55(4), pp. 45-54, Apr 2012.

Research Directions in Data Wrangling: Visualizations and Transformations for Usable and Credible Data. Sean Kandel, Jeffrey Heer, Catherine Plaisant, Jessie Kennedy, Frank van Ham, Nathalie Henry Riche, Chris Weaver, Bongshin Lee, Dominique Brodbeck, Paolo Buono. *Information Visualization Journal*, 10(4), 271-288, 2011.

A Tour through the Visualization Zoo. Jeffrey Heer, Michael Bostock, Vadim Ogievetsky. *Comm. of the ACM*, 53(6), pp. 59-67, Jun 2010.

Voyagers and Voyeurs: Supporting Asynchronous Collaborative Visualization, Jeffrey Heer, Fernanda Viégas, Martin Wattenberg. *Comm. of the ACM*, 52(1), pp. 87-97, Jan 2009.

Design Considerations for Collaborative Visual Analytics, Jeffrey Heer, Maneesh Agrawala. *Information Visualization Journal*, 7(1), pp. 49-62, 2008.

Does Binding of Synesthetic Color to the Evoking Grapheme Require Attention? Noam

Sagiv, Jeffrey Heer, Lynn Robertson. *Cortex*, 42(2), pp. 232-242, 2006.

WebQuilt: A Proxy-based Approach to Remote Web Usability Testing, Jason I. Hong, Jeffrey Heer, Sarah Waterson, James A. Landay. *ACM Transactions on Information Systems*, 19(3), pp. 263-285, 2001.

Book Chapters **The Design of Sense.us**, Jeffrey Heer. In T. Segaran, J. Hammerbacher (eds), *Beautiful Data*, O'Reilly Media, 2009.

Point, Talk, Publish: Visualization and the Web, Jeffrey Heer, Fernanda B. Viégas, Martin Wattenberg, Maneesh Agrawala. In E. Zudilova-Seinstra, T. Adriaansen, R. van Liere (eds), *Trends in Interactive Visualisation*, Springer, 2008.

Creation and Collaboration: Engaging New Audiences for Information Visualization, Jeffrey Heer, Frank van Ham, Sheelagh Carpendale, Chris Weaver, Petra Isenberg. In J. Fekete, A. Kerren, C. North, J. T. Stasko (eds), *Information Visualization: Human-Centered Issues in Visual Representation, Interaction, and Evaluation*, Springer, 2008.

Short Papers **Designing a Prototype Interface for Visual Communication of Pain**. Insun (Amy) Jang, Diana MacLean, Jeffrey Heer. *Extended Abstracts, ACM Human Factors in Computing Systems (CHI)*, 2013.

Wideband Displays: Mitigating Multiple Monitor Seams, Jock Mackinlay, Jeffrey Heer. *Extended Abstracts, ACM Human Factors in Computing Systems (CHI)*, pp. 1521-1524, 2004.

All Together Now: Visualizing Local and Remote Actors of Localized Activity, Scott Lederer, Jeffrey Heer. *Extended Abstracts, ACM Human Factors in Computing Systems (CHI)*, pp. 1107-1110, 2004.

Efficient User Interest Estimation in Fisheye Views, Jeffrey Heer, Stuart K. Card. *Extended Abstracts, ACM Human Factors in Computing systems (CHI)*, pp. 836-837, 2003.

Workshop Papers **The Stanford Post-Editing Corpus: Collection and Analysis**. Spence Green, Jeffrey Heer, Christopher D. Manning. *AMTA 2012 Workshop on Post-editing Technology and Practice*, 2012.

An Algorithm and Analysis of Social Topologies from Email and Photo Tags. T. J. Purtell, Diana MacLean, Seng Keat Teh, Sudheendra Hangal, Monica S. Lam, Jeffrey Heer. *Workshop on Social Network Mining & Analysis, ACM KDD*, Aug 2011.

All Friends are not Equal: Using Weights in Social Graphs to Improve Search. Sudheendra Hangal, Diana MacLean, Monica S. Lam, Jeffrey Heer. *Workshop on Social Networking Mining and Analysis, ACM KDD*, Aug 2010.

Evaluating Visualizations to Unearth Behavior and Insight, Jeffrey Heer. *Beyond Time and Errors: Novel Evaluation Methods for Information Visualization Workshop, ACM CHI*, 2008.

Socializing Visualization, Jeffrey Heer. *Social Visualization Workshop, ACM CHI*, 2006.

Seeing the Invisible, Jeffrey Heer, Peter Khooshabeh. *Workshop on Invisible & Transparent Interfaces, Advanced Visual Interfaces (AVI)*, 2004.

Mining the Structure of User Activity using Cluster Stability, Jeffrey Heer, Ed H. Chi. *Web Analytics Workshop, SIAM Conference on Data Mining*, 2002.

Identification of Web User Traffic Composition using Multi-Modal Clustering and Information Scent, Jeffrey Heer, Ed H. Chi. *Workshop on Web Mining, SIAM Conference on*

Data Mining, pp. 51-58. Chicago, IL, 2001.

Demos **Social Flows: A System for Mining Social Topologies from Ego-centric Social Networks.** Diana MacLean, Sudheendra Hangal, Seng Keat Teh, Monica S. Lam, Jeffrey Heer. *ACM Knowledge Discovery and Data Mining (KDD)*, Aug 2010.

Prefuse: A Toolkit for Interactive Information Visualization, Jeffrey Heer, Stuart K. Card, James A. Landay. *User Interface Software and Technology (UIST)*, 2004.

Active Capture: Automatic Direction for Automatic Movies, Marc Davis, Jeffrey Heer, Ana Ramirez. *ACM Multimedia*, 2003.

UNREFEREED PUBLICATIONS

Interactive Analysis of Big Data. Jeffrey Heer, Sean Kandel. *ACM XRDS*. September 2012

Interactive Dynamics for Visual Analysis. Jeffrey Heer, Ben Shneiderman. *ACM Queue*. February 2012

A Tour through the Visualization Zoo. Jeffrey Heer, Michael Bostock, Vadim Ogievetsky. *ACM Queue*. May 2010

A Conversation with Jeff Heer, Martin Wattenberg, and Fernanda Viégas. *ACM Queue*. March 2010

Dangerous Liaisons, Jeffrey Heer. *Ambidextrous Magazine*. Issue Four, Summer 2006.

Bits, Bäume, und Bilder, Jeffrey Heer. *einfach komplex – Bildbäume und Baumbilder in der Wissenschaft*. Museum für Gestaltung, Zürich, 2005.

PATENTS

Doubly Linked Visual Discussions for Data Visualization. Jeffrey Heer, Jesse Kriss, Frank van Ham, Fernanda B. Viégas, Martin Wattenberg. (Patent Pending).

Systems and Methods for the Estimation of User Interest in Graph Theoretic Structures. Jeffrey Heer, Stuart K. Card. US Patent 7,215,337. Filed 18 Dec 2003. Issued 8 May 2007.

Systems and Methods for Clustering User Sessions using Multi-modal Information including Proximal Cue Information. Jeffrey Heer, Ed H. Chi. US Patent 7,043,475. Filed 19 Dec 2002. Issued 9 May 2006.

AWARDS AND FELLOWSHIPS

2013 ACM CHI Best Paper Award

2012 Alfred P. Sloan Foundation Research Fellowship

IEEE VAST Best Paper Honorable Mention

ACM CHI Best Paper Nominee

2011 ACM UIST Notable Paper Award

ACM CHI Best Paper Nominee

2010 IEEE InfoVis Best Paper Honorable Mention (x2)

ACM CHI Best Paper Nominee

- 2009 MIT Technology Review TR35, 35 Innovators Under the Age of 35
C.V. Ramamoorthy Distinguished Research Award, EECS Dept, UC Berkeley
ACM CHI Best Paper Award
IBM Faculty Award
Intel Faculty Award
- 2006 Microsoft Graduate Fellowship
IBM Ph.D. Fellowship
- 2004 Outstanding Performance Award, A3I NIMD Team, PARC, Inc.
- 2002 National Defense Science and Engineering Graduate Fellowship
National Science Foundation Graduate Fellowship (*declined*)
Hertz Foundation Graduate Fellowship Finalist
- 2001 Warren Y. Dere Engineering Design Award, EECS Dept, UC Berkeley
Honors Degree Program, EECS Dept, UC Berkeley