

David Ayman Shamma

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RESEARCH STATEMENT

My research investigates synchronous environments and connected experiences—both online and in-the-world. Focusing on sharing frameworks and creative expression, I design and prototype systems for multimedia-mediated communication. These experiences happen explicitly when captured through a single tool/source, such as video sharing websites, as well as implicitly when captured from other sources, such as concert goers live blogging the event. Using data from these explicit and implicit experiences, I develop targeted methods and metrics for understanding how people communicate online using new media, in small environments and at web scale.

EDUCATION

- 2001–2005 **Northwestern University**
Doctor of Philosophy, Department of Computer Science.
Advisor/Committee Chair: Kristian Hammond
Committee: Don Norman, Larry Birnbaum, Shannon Bradshaw
- 1996–1999 **The University of West Florida**
Masters of Computer Science, Department of Computer Science.
- 1991–1996 **The University of West Florida**
Bachelor of Computer Science, Department of Computer Science.

WORK EXPERIENCE

- 7/06–present *Research Scientist. **Yahoo! Research**,*
Internet Experiences Group. Research Scientist.
Yahoo! Brickhouse. Research Scientist.
Media and Community Group, Yahoo! Research Berkeley. Research Lead.
San Francisco Bay Area, California.
- 1/06–6/06 *Adjunct Faculty. **Medill School of Journalism**,*
Northwestern University. Evanston, Illinois.
- 8/05–6/06 *Post-Doc Research Associate. **Intelligent Information Laboratory**,*
Department of Electrical Engineering and Computer Science.
Northwestern University. Evanston, Illinois.
- 12/99–8/01 *Visiting Researcher. **Center for Mars Exploration**,*
NASA Ames Research Center, Moffett Field, California.
- 7/96–12/99 *Adjunct Faculty. **Visual Arts Department**,*
Pensacola State College, Pensacola Florida.
- 4/98–8/01 *Visiting Faculty Research Associate.*
Institute for Human and Machine Cognition,
The University of West Florida, Pensacola, Florida.
- 8/96–4/98 *Graduate Assistant. **Institute for Human and Machine Cognition**,*
The University of West Florida, Pensacola, Florida.
- 1/93–7/96 *Macintosh Network Administrator. **Department of Visual Arts**,*
Pensacola State College, Pensacola, Florida.
- 9/90–9/92 *Graphic Designer, Network Administrator. **PAHCOM**,*
The Professional Association of Health Care Office Managers, Pensacola, FL.

TEACHING EXPERIENCE

- Northwestern University **Adjunct Professor.** (2005)
News and News Media, Medill School of Journalism.
(revised department syllabus)
- Northwestern University **Teaching Assistant.** (2002–2004)
Semantics & Natural Language Understanding
Dr. Larry Birnbaum
- Northwestern University **Teaching Assistant.** (2003–2004)
Practicum in Intelligent Information Systems
Dr. Kristian Hammond
- Pensacola State College **Instructor.** (1996–1999)
Computer Graphics I, II, & III (revised department syllabus),
Multimedia Seminar (wrote department syllabus).
- The University of West Florida **Instructor.** (1998–1999)
Computer Graphics Applications.
(wrote department syllabus)
- The University of West Florida **Teaching Assistant.** (1996–1997)
Introduction To Artificial Intelligence.
Dr. Ken Ford (1996) & Dr. Patrick Hayes (1997).
Contest Organizer for Lego Robotics Competition.

BOOK CHAPTERS

- David A. Shamma and Yiming Liu. *Social Interactive Television: Immersive Shared Experiences and Perspectives*, chapter Zync with Me: Synchronized Sharing of Video through Instant Messaging, pages 273–288. Information Science Publishing, Hershey, PA, USA, 2009
- David A. Shamma and Bryan Pardo. In Jialie Shen, John Shepherd, Bin Cui, and Ling Liu, editors. *Intelligent Music Information Systems: Tools and Methodologies*, chapter MusicStory: a Proactive and Hybrid Approach to Autonomous, Personalized Music Video Creation. Idea Group Inc., 2007

JOURNAL ARTICLES

- David A. Shamma. Autonomous expressionism: a framework for installation directed network arts. *International Journal of Arts and Technology*, 2(1):62–81, 2009
- Conrad Albrecht-Buehler, Ben Watson, and David A. Shamma. Visualizing live text streams using motion and temporal pooling. *IEEE Computer Graphics and Applications*, pages 52–59, 2005
- Alberto J. Cañas, Ken M. Ford, John Coffey, Thomas Reichherzer, Roger Carff, David A. Shamma, and Maggie Breedy. Herramientas para construir y compartir modelos de conocimiento basados en mapas conceptuales. *Revista de Informática Educativa*, 13(2):145–158, 2000
- Carl Turner, David A. Shamma, and Steve Dobbs. Things that help us think: Mobile robots in ai education. In *IEEE Transactions on Education*, volume CD-ROM Supplement Edition. IEEE Computer Society, 1998

MAGAZINE ARTICLES

- David A. Shamma. Beyond freebird. *XRDS*, 17:36–38, December 2010
- David A. Shamma and En Park. AAAI 2000 Conference Summary. *AI Magazine*, 21(4):11, 2000

CONFERENCE PUBLICATIONS

- David A. Shamma, Lyndon Kennedy, and Elizabeth F. Churchill. Viral actions: Predicting video view counts using synchronous sharing behaviors. In *ICWSM 11: Proceedings of the International Conference on Weblogs and Social Media Data*, Barcelona, Spain, July 2011. AAAI Press
- David A. Shamma, Lyndon Kennedy, and Elizabeth F. Churchill. Peaks and persistence: modeling the shape of microblog conversations. In *Proceedings of the ACM 2011 conference on Computer supported cooperative work, CSCW '11*, pages 355–358, New York, NY, USA, 2011. ACM
- Marco de Sá, Judd Antin, David Shamma, and Elizabeth F. Churchill. Mobile augmented reality: video prototyping. In *Proceedings of the 2011 annual conference extended abstracts on Human factors in computing systems, CHI EA '11*, pages 1897–1902, New York, NY, USA, 2011. ACM
- Jude Yew, David A. Shamma, and Elizabeth F. Churchill. Knowing funny: Genre perception and categorization in social video sharing. In *Proceedings of the 2011 annual conference on Human factors in computing systems, CHI '11*, pages 297–306, New York, NY, USA, 2011. ACM
- Jude Yew and David A. Shamma. Know your data: Understanding implicit usage versus explicit action in video content classification. In *IS&T/SPIE Electronic Imaging*, January 2011
- Elizabeth F. Churchill, Ozzie Goen, and David A. Shamma. Augmented ethnography: designing a sensor-based toolkit for ethnographers. In *Proceedings of the 22nd Conference of the Computer-Human Interaction Special Interest Group of Australia on Computer-Human Interaction, OZCHI '10*, pages 416–417, New York, NY, USA, 2010. ACM
- David A. Shamma, Renata M. Sheppard, and Jürgen Schible. Human-to-dancer interaction: Designing for embodied performances in a participatory installation. In *DIS '10: Proceedings of the 8th ACM conference on Designing interactive systems*, pages 356–359, Århus, Denmark, 2010. ACM
- David A. Shamma, Lyndon Kennedy, and Elizabeth F. Churchill. Tweetgeist: Can the twitter timeline reveal the structure of broadcast events? In *CSCW Horizons*, 2010
- David A. Shamma, Lyndon Kennedy, and Elizabeth F. Churchill. Tweet the debates: Understanding community annotation of uncollected sources. In *WSM '09: Proceedings of the international workshop on Workshop on Social Media*, Beijing, China, 2009. ACM Best Paper Nominated
- David A. Shamma, Elizabeth F. Churchill, Nikhil Bobb, and Matt Fukuda. Spinning online: a case study of internet broadcasting by djs. In *C&T '09: Proceedings of the fourth international conference on Communities and technologies*, pages 175–184, New York, NY, USA, 2009. ACM
- David A. Shamma, M. Bastea-Forte, N. Joubert, and Y. Liu. Enhancing online personal connections through the synchronized sharing of online video. In *CHI'08 extended abstracts on Human factors in computing systems*, pages 2931–2936. ACM, 2008
- Yiming Liu, David A. Shamma, Peter Shafton, and Jeannie Yang. Zync: the design of synchronized video sharing. In *DUX 2007: Proceeding of the 3rd conference on Designing for User Experience*, Chicago, IL, USA, November 2007
- David A. Shamma, Ryan Shaw, Peter L. Shafton, and Yiming Liu. Watch what i watch: using community activity to understand content. In *MIR '07: Proceedings of the international workshop on Workshop on multimedia information retrieval*, pages 275–284, New York, NY, USA, 2007. ACM
- Sara H. Owsley, Kristian J. Hammond, David A. Shamma, and Sanjay Sood. Buzz: telling compelling stories. In *MULTIMEDIA '06: Proceedings of the 14th annual ACM international conference on Multimedia*, pages 261–268, New York, NY, USA, 2006. ACM
- Sara H. Owsley, Kristian J. Hammond, and David A. Shamma. Computational support for compelling story telling. In *ACE '06: Proceedings of the 2006 ACM SIGCHI international*

conference on Advances in computer entertainment technology, page 83, New York, NY, USA, 2006. ACM

- Nathan D. Nichols, Kristian J. Hammond, David A. Shamma, and Sara H. Owsley. Believable performance agents for interactive conversations. In *ACE '06: Proceedings of the 2006 ACM SIGCHI international conference on Advances in computer entertainment technology*, page 43, New York, NY, USA, 2006. ACM
- David A. Shamma, Bryan Pardo, and Kristian J. Hammond. Musicstory: a personalized music video creator. In *MULTIMEDIA '05: Proceedings of the 13th annual ACM international conference on Multimedia*, pages 563–566, New York, NY, USA, 2005. ACM
- David A. Shamma, Sara Owsley, Shannon Bradshaw, and Kristian J. Hammond. Using web frequency within multi-media exhibitions. In *Proceedings of the 12th International Conference on Multi-Media*. ACM Press, 2004
- Sara Owsley, David A. Shamma, Kristian J. Hammond, Shannon Bradshaw, and Sanjay Sood. The association engine: a free associative digital improviser. In *Proceedings of the 12th International Conference on Multi-Media*. ACM Press, 2004
- Geoff Briggs, David A. Shamma, Alberto J. Cañas, Roger Carff, Jeff Scargle, and Joseph D. Novak. Concept maps applied to mars exploration public outreach. In *Concept maps: Theory, methodology, technology. Proceedings of the first international conference on concept mapping*, volume 1, pages 109–116. Citeseer, 2004
- Conrad Albrecht-Buehler, Ben Watson, and David A. Shamma. Textpool: Visualizing live text streams. In *IEEE Symposium on Information Visualization*, Austin Texas, 2004. IEEE
- David A. Shamma and Kristian J. Hammond. Imagination environment: Using the web as a source of popular culture. In *ACM SIGGRAPH 2004 Emerging Technology track*. ACM Press, 2004
- David A. Shamma, Sara Owsley, Kristian J. Hammond, Shannon Bradshaw, and Jay Budzik. Network Arts: Exposing cultural reality. In *Alternate track papers & posters of the 13th international conference on World Wide Web*, pages 41–47. ACM Press, 2004. *Best Paper Nominated*
- Vidya Setlur, David A. Shamma, Kristian J. Hammond, and Sanjay Sood. Towards a non-linear narrative construction. In *Proceedings of IUI Conference*, page 329, Miami, Florida USA, January 2003. Intelligent User Interfaces, ACM
- John F. Kolen, David A. Shamma, Thomas Reichherzer, and Tim Flueharty. An ai approach to computer assisted tomography. In *Proceedings of the Eleventh International Florida Artificial Intelligence Research Society Conference*, page 44. AAAI Press, 1998
- Carl Turner, Ken Ford, Pat Hayes, David Shamma, and Rashid Manseur. Robots in education. In *Proceedings of the US-Japan Graduate Student Forum in Robotics, Osaka, Japan*, 1996

ORGANIZED WORKSHOPS and PANELS

- Henriette Cramer, Mattias Rost, Frank Bentley, and David A. Shamma. Research in the large 2. using app stores, markets, and other wide distribution channels in ubicomp research. In *Proceedings of the 13th ACM international conference adjunct papers on Ubiquitous computing, Ubicomp '11*, New York, NY, USA, 2011. ACM
- David A. Shamma, Seth Fitzsimmonds, Joe Gregorio, Adam Hupp, Ramesh Jain, and Kevin Marks. What the web can't do. In *Proceedings of the 19th international conference on World wide web, WWW '10*, pages 1341–1342, New York, NY, USA, 2010. ACM
- David A. Shamma, Dan Perkel, and Kurt Luther. Understanding the creative conversation: modeling to engagement. In *C&C '09: Proceeding of the seventh ACM conference on Creativity and cognition*, pages 491–492, New York, NY, USA, 2009. ACM
- David A. Shamma and Ryan Shaw. Supporting creative acts beyond dissemination. In *C&C '07: Proceedings of the 6th ACM SIGCHI conference on Creativity & cognition*, pages 276–277, New York, NY, USA, 2007. ACM

INVITED TALKS and PANELS

- Recommending from Actions, Not Content: New Approaches in Social Recommendation. Shamma D. A. Keynote. In Ido Guy, Li Chen, and Michelle X. Zhou. 2nd international workshop on social recommender systems. In *Proceedings of the ACM 2011 conference on Computer supported cooperative work, CSCW '11*, New York, NY, USA, 2011. ACM
- Staying together: an exploration of synchronous connected systems. Shamma D. A.
 - Nokia Research, Beijing. 9/16/2011.
 - Multimedia Information Class Lecture, iSchool, Berkeley. Spring 2011.
 - HCI Seminar, Stanford. 1/12/2011.
 - iSchool Seminar Series, UT Austin. 11/12/2010.
 - CS Seminar Series, Texas A&M. 11/11/2010.
 - HCI Lecture Series, CSAIL. MIT. 10/8/2010.
 - GVU Brown Bag. Georgia Tech. 9/16/2010.
- Data, Information, Transformation: The Role of Social Media in Protest. Generating Protest Art. February, 25th, 2011. Berkeley Center for New Media. Berkeley, California.
- A movie and a chat: understanding conversation and real-time video
 - Computer Science Seminar, University of Amsterdam/CWI. 11/10/2009.
 - Lecture Series, FXPal. 11/06/2009.
- Synergies Between Search and Social Metrics, MediaX Workshop, Stanford University. 8/05/2009. Shamma D. A.
- (we need to talk): conversations, media, and social relationships.
 - HCI Seminar, Department of Computer Science, UIUC. 04/14/09.
 - Cognitive Systems Group Seminar, Department of Electrical Engineering and Computer Science, Northwestern University. 04/13/09.
- Spinning Online: A Case Study of Internet Broadcasting by DJs, CS Colloquium, Pomona College. 11/2008. Shamma D. A.
- Ssshh! I'm watching this: conversational behaviors around real-time video. Union College. 4/8/2010. Shamma D. A.
- Social Media in the Year 2020. ACM WWW 2008, Beijing China. Jain, R., Nack, F., Shamma, D. A., Seligmann, D., Davis, M., and Adamic, L.
- Remix, Art, Technology, and Culture. Art Institute of Chicago – Department of Film and Media. 2007. Shamma D. A., Shepard, R.
- The Web as Artistic Medium. Institute for Human and Machine Cognition. Pensacola, Florida.
- A Life without Friction: Tales from the InfoLab. ACM IUI 2003. San Francisco, CA. Hammond K., Birnbaum, L., Budzik, J., Crossen, A. Shamma, D. A., Setlur, V.
- Concept Mapping as Classroom Scientific Collaboration. Oregon Science Teacher Association, Annual Summit. With R. D. Gus Fredrick. Oregon Public Education Network. October 2000

PATENTS**Awarded**

- Synchronization of Advertisement Display Updates with User Revisitation Rates. M. C. Jones, D. A. Shamma, E. F. Churchill. Yahoo! 2009.
- Region and Duration Uniform Resource Identifiers (URI) for Media Objects. M. E. Davis, D. A. Shamma, R. Martinez, C. T. Paretto, J. O'Sullivan, C. W. Higgins, A. Athsani. Yahoo! 2008.
- Portion of a display panel with an icon image for displaying content. D. A. Shamma. Yahoo! 2007.
- Method and system for media landmark identification. D. A. Shamma, P. J. Shafton. Yahoo! 2007.
- Harvesting of Media Objects from Searched Sites without a User having to Enter the Sites. Weber, K. Tripodi, S., Shamma, D. A., Yahoo! 2006.

Patents Pending

- Mashup Ads. Churchill, E. F., Shamma, D. A., Jones, M. C., Yahoo! 2009.
- A method for using social status to understand broadcast media and events. Shamma, D. A., Kennedy, L. Churchill, E. F., Yahoo! 2009.
- A method for using sub-samples of short message conversations for describing media events. Shamma, D. A., Kennedy, L. Churchill, E. F., Yahoo! 2009.
- Tagging Time without Media. Shamma, D. A., Yahoo! 2007.
- Synchronous Delivery of Media Content for Online Dating. Shamma, D. A., Yahoo! 2007.
- Synchronous Delivery of Media Content in a Collaborative Environment. Shamma, D. A., Yahoo! 2007.
- A system for enabling video tags to trigger browser events during playback. Shafton, P., Shamma, D. A., Shaw, R. Schmitz, P., Yahoo! 2006.
- A mechanism for deep-tagging video (video annotation) using semantic segmentation landmarks with visual clustering & community identification. Shamma, D. A., Shafton, P., Yahoo! 2006.
- A system for implicit, community-based tagging of media through explicit segmentation and sharing. Shamma, D. A., Shafton, P., Shaw, R. Schmitz, P., Yahoo! 2006.
- Location-Specific Content Delivery. Hammond, K., Shamma, D. A., Northwestern University 2005.

MEDIA COVERAGE

- *TechCrunch* "Pizza Superiority Determined in Massive Geek Eating Binge." Michael Arrington. 12/19/2010.
- *SF Gate* "Social science meets computer science at Yahoo". 1/11/2010.
- *TechCrunch* "San Francisco Earthquakes Get Their Own Geolocated Twitter Account." MG Siegler. 1/9/2010.
- *TechRadar.com* "7 cool research projects from Yahoo. " 3/3/2009.
- *StartupMeme* "Meebo Launches Meebo Rooms" 5/15/2007. (Zync cited in the article).
- *Northwestern Alumni Magazine*. "Cyberculture Connections." Fall 2005.
- *Wired Magazine*. NextFest.2005: The Wired World's Fair. 13(6):24. Insert Booklet.
- *Chicago Magazine*. "The Silicon Prairie Rides Again." June 2005.
- *XBytes TV*, International Channel. Art and Technology segment. October 26, 2004.
- *International Herald Tribune*. "Keyword art links images in novel ways," Matthew Mirapaul. June 19, 2004.
- *New York Times*. "Art unfolds through keyword search," Matthew Mirapaul. June 17, 2004.

- *Daily Northwestern*. "Picturing Every Word," Jackie Stewart. May 11, 2004.
- *Northwestern Observer*. "Imagination Environment connects words, images," May 6, 2004.
- *Chicago Sun-Times*. "Psychedelic lights yield to Web-driven imagination," Michael Krauss. April 19, 2004.

ART EXHIBITS, INSTALLATIONS, AND PERFORMANCES

- the Light Dress. 2010. In Light. Richmond, North Carolina.
- Graffiti Dance. 2009. Berkeley, California.
- Zync Video Sharing. Wired NextFest 2007. Los Angeles, California.
- News at Seven. Wired NextFest 2007. Los Angeles, California.
- Imagination Environment: David A. Shamma, Kristian Hammond.
 - Wired NextFest 2006. The Future of Communication. New York.
 - Wired NextFest 2005. The Future of Communication. Navy Pier, Chicago.
 - Emerging Technologies 2004. SIGGRAPH. Los Angeles, California.
 - Second City Chicago. 4/2004–6/2005. Piper's Alley. Chicago, Illinois.
- MusicStory: David A. Shamma, Bryan Pardo, Kristian Hammond.
 - ACM Multimedia 2005. Singapore.
 - Wired NextMusic 2005. *The Vic Theater*. Chicago, Illinois. Curated by Jeff Tweety.
- Buzz: Sara Owsley, Kristian Hammond, David A. Shamma.
 - Second City Chicago. 2005. Piper's Alley. Chicago, Illinois.
 - Chicago Improv Festival. 2005. Athenaeum Theater. Chicago, Illinois.
 - Performing Imagination. 2004. "*The Association Engine*," Northwestern University. Evanston, Illinois.
- Handle with Care: Direct Mail and the American Dream: GirlCharlie, Sara Owsley, Kristian Hammond, David A. Shamma
 - Performing Arts Chicago's *PAC/edge: A Convergence of Chicago Artists*. 2004. Athenaeum Theater. Chicago, Illinois.

Software Projects

- Zync. A plugin for Yahoo! Messenger which enables the synchronous sharing of web video. <http://bit.ly/hVyXcE> <http://bit.ly/oNTofV>
- Karaoke Callout & VocalSearch. Adapted and optimized a query-by-humming system for mobile phone usage. <http://bit.ly/oLEj1H>
- interActor. Designed an interactive framework for a halfLife2 mod to support dynamic script based interactions for virtual actors. This includes the ability for virtual actors to autonomously find relevant information online as well as a user-centric dialog model for speech to text applications. <http://bit.ly/nr0R1j>
- Imagination Environment. Art installation which watches media (TV, DVD, Internet news feeds, blogs) and finds related images and media. A complementing suite of Information Retrieval tools were also built as a supporting software structure. <http://bit.ly/r1FUZx>
- MusicStory. Projects popular association based related images of the lyric of a song in time to the audio's beat. <http://bit.ly/oLEj1H>
- MediaPoint. An exploration in securely delivering media to network locations, targeted at WiFi hotspots. <http://bit.ly/pSoOAQ>

- Handle With Care with GirlCharlie . An installation that immerses spectators in the language of hate, fear and greed found in thousands of pieces of direct mail sent from sweepstakes and right-wing political organizations, solicitations which are largely directed toward the elderly and new Americans. Associative-word technology generates a spontaneous soundtrack inspired by the mail's vocabular
- CMEX Mars. NASA Ames Research Center with Geoff Briggs (ARC), Alberto Cañas (IHMC), et. al. In a departure from previous digital educational outreach products CMEX Mars uses new browser technology developed at IHMC that center on the use of concept maps. NASA High School Educational Outreach. <http://cmex.ihmc.us/>
- IHMC CMap Tools. with Alberto Cañas, Pat Hayes, et. al. The IHMC Concept Mapping Software empowers users to construct, navigate, share, and criticize knowledge models represented as Concept Maps. The toolkit allows the users to build, and collaborate during the construction of concept maps with colleagues anywhere on the network, as well as, share and navigate through others's models distributed on servers throughout Internet. <http://cmap.ihmc.us/>
- System to Organize Representations in Meteorology (Storm-LK) with Ken Ford, Robert Hoffman, et. al. The STORM-LK project was intended to illustrate the application of the principles of Human-Centered Computing (HCC). The domain of weather forecasting was selected for study, with the goal of creating a "cognitive prosthesis"—a computational system that leverages and extends human intellectual, perceptual, and collaborative capacities. <http://bit.ly/nFcXry>
- Survey Application Robust Templated Runtime Environment (SARTRE). Master's Project. Automatically deploy, administer, and collect survey data from computer-novice consumer panelists using hand held (Apple Newton & PalmOS) computers. Funded by Proctor and Gamble

PROFESSIONAL SERVICE

Program Committee

- SIGMM: Interactive Arts & Culture, Co-Editor (2012–present).
- Elsevier's Entertainment Computing, Editorial Board Member, Section Editor for Interactive Television (2012)
- MobileHCI: Demos and Exhibitions Co-chair (2012).
- EuroITV: Systems Track Co-chair (2012).
- ACM Multimedia: Interactive Arts & Culture, Co-Chair (2011-2012).
- ACM WWW: TPC Member (2010-present).
- ACM Creativity & Cognition, Publicity Chair (2009).
- ACM JCDL: TPC Member (2008).

Reviewer

- ACM Multimedia (2007-present).
- AAAI Conference on Weblogs and Social Media (2008-present).
- ACM CHI (2008-present).
- ACM CSCW (2008-present).
- ACM WWW (2011–2012).
- TEI 2010.
- EuroITV (2008–2010).
- NSF Merit Award Reviewer (2008).
- ACM IUI (2002–2005).

Academic

- Intern Supervisor (2010) Jude Yew, School of Information, U. Michigan, Ph. D.
- Intern Supervisor (2008) Yiming Liu, iSchool, UC Berkeley, M. S.
- Intern Supervisor (2008) Marcello Bastéa-Forte, Computer Science, Stanford, M. S.
- Intern Supervisor (2008) Niels Joubert, Computer Science, Berkeley, B. S.
- Intern Supervisor (2007) Ryan Shaw, iSchool, UC Berkeley, Ph. D.
- 2004–2005 CS Chair's Advisory Committee, Northwestern University
Graduate Student Advisor to the Department Chair
Graduate Student Representative, Building Committee

Member

- ACM, *Senior Member* (2001–present)
- AAAI (1997–2001, 2009–present)
- IEEE (1997–2001)

Awards, Honors, and Other Activities

- the Reawakening. 2011. Physical Hack Day, Pervasive Computing, San Francisco, CA.
- May 2010 iSticks. Music Hackday San Francisco. Winner of 2 awards. <http://bit.ly/rv0Fwx>
- August 2005 Awarded 1st Dan, Kukkiwon (WTF) Taekwondo.
- August 2004 Terminal Year Fellowship. Graduate School, Northwestern University.
- October 2001 Murphy Fellowship. Department of Computer Science, Northwestern University.
- May 2001 Intel ISEF 2001, International Science Fair Judge, EE/CS Division. San Jose, CA.
- March 2000 Synopsis, Santa Clara County California Science Fair Judge, Physics, 8th Grade Division.
- March 1999 Escambia/Santa Rosa County Florida Science Fair Judge, Computer Science, High School division.
- November 1998 Cinco Banderas NW Florida Annual Art Exhibition. haute lâŽeau, Digital Gelatin Silver Print. Judges Award Recipient.
- Spring 1998 Outstanding Graduate Student Award (Masters). Computer Science, College of Science and Technology. The University of West Florida.
- June 1997 Web Site Awarded Featured Academic Site by InterNIC.
- December 1995 Winner of Annual Lego Robot Competition, IHMC. (with Daniel Butler)