Anne Marie Piper   Curriculum Vitae

Frances Searle Building, #2-144   Office: +1 847-467-4198
2240 Campus Drive   Fax: +1 847-467-1036
Northwestern University
Evanston, IL 60208   ampiper@northwestern.edu
USA   http://www.soc.northwestern.edu/ampiper

Education

Ph.D., Cognitive Science   2011
Committee: James D. Hollan (chair), Charles Goodwin, William Griswold, Edwin Hutchins, Terry Jernigan, Carol Padden
Department of Cognitive Science
University of California, San Diego
Title: *"Augmenting Collocated Interaction: The Design of Assistive Technology to Support Face-to-Face Communication"*

M.A., Education   2005
School of Education
Stanford University

B.S., Computer Science   2004
College of Computing
Georgia Institute of Technology

Appointments

Northwestern University
    Associate Professor   2018 – Present
    Department of Communication Studies
        School of Communication
    Department of Electrical Engineering & Computer Science
        by courtesy, McCormick School of Engineering and Applied Sciences
    Department of Communication Sciences and Disorders
        by courtesy, School of Communication

    Assistant Professor   2012 - 2018
    Department of Communication Studies
        School of Communication
    Department of Electrical Engineering & Computer Science   2012 - 2018
        by courtesy, McCormick School of Engineering and Applied Sciences
    Department of Communication Sciences and Disorders   2014 - 2018
        by courtesy, School of Communication

University of California, San Diego
    Lecturer   2011 - 2012
    Department of Cognitive Science

Publications

Journal Articles

[J.9]   Hargittai, E., Piper, A.M., and Morris, M.R. (2018). From Internet Access to Internet Skills: Digital Inequality among Older Adults. *Universal Access in the Information Society*, accepted.

[J.8]   Piper, A.M., Brewer, R., and Cornejo, R. (2016). Technology use among older adults with vision impairments: Understanding practices and challenges. *Universal Access in the Information Society*, 1-13.

[J.7]   Brewer, R., Cornejo, R., Schwaba, T., Gergle, D., and Piper, A.M. (2016). Exploring Traditional Phones as an E-Mail Interface for Older Adults. *ACM Transactions on Accessible Computing, 8(2).*

[J.6]   Piper, A.M., Cornejo, R., and Brewer, R. (2016). Understanding the Challenges and Opportunities of Smart Mobile Devices among the Oldest Old. *International Journal of Mobile Human-Computer Interaction, 8(2).*

[J.5]   Piper, A.M., Weibel, N., and Hollan, J. (2014). Designing Audio-Enhanced Paper Photos for Older Adult Emotional Wellbeing in Communication Therapy. *International Journal of Human-Computer Studies*, 72(8-9), 629-639.

[J.4]   Piper, A.M., Friedman, W., and Hollan, J. (2012). Setting the stage for embodied activity: Small group discussion around a multitouch tabletop display. *International Journal of Learning Technology*, 7(1), 58-78, May 2012.

[J.3]   Piper, A.M., Weibel, N., and Hollan, J. (2011). Write-N-Speak: Authoring Multimodal Digital-Paper Materials for Speech-Language Therapy. *ACM Transactions on Accessible Computing (TACCESS)*, 4(1), Nov 2011.

[J.2]   Piper, A.M. and Hollan, J. (2011). Supporting Medical Communication for Older Patients with a Shared Touch-Screen Computer. *International Journal of Medical Informatics*, 82(11), 242–250.

[J.1]   Morris, M.R., Piper, A.M., Cassanego, A., Huang, A., Paepcke, A., and Winograd, T. (2006). Mediating Group Dynamics through Tabletop Interface Design. *IEEE Computer Graphics and Applications*, Sept/Oct 2006, 65-73.

Refereed Papers in Archival Conference Proceedings

[C.30] Lazar, A., Feuston, J.L., Edasis, C., and Piper, A.M. (2018). Making as Expression: Informing Design with People with Complex Communication Needs through Art Therapy. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2018)*.
[**Best Paper Award (top 1% of papers**)]

[C.29]   Diaz, M., Johnson, I., Lazar, A., Piper, A.M., and Gergle, D. (2018). Addressing Age-Related Bias in Sentiment Analysis. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2018)*.
[**Best Paper Award (top 1% of papers)**]

[C.28]   Brewer, R., and Piper, A.M. (2018). xPress: Rethinking Design for Aging and Accessibility through a Voice-Based Online Blogging System. *Proceedings of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2018)*.

[C.27]   Lazar, A., Edasis, C., and Piper, A.M. (2017). A Critical Lens on Dementia and Design in HCI. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2017)*, 2175-2188.
[acceptance rate: 25%]
[**Best Paper Award (top 1% of papers)**]

[C.26]   Lazar, A., Edasis, C., and Piper, A.M. (2017). Supporting People with Dementia in Digital Social Sharing. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2017)*, 2149-2162.
[acceptance rate: 25%]
[**Best Paper Honorable Mention Award (top 5% of papers)**]

[C.25]   Feuston, J., and Piper, A.M. (2017). The Social Lives of Individuals with Traumatic Brain Injury. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2017)*, 182-194.
[acceptance rate: 25%]

[C.24]   Lazar, A., Diaz, M., Brewer, R., Kim, C., and Piper, A.M. (2017). Going Gray, Failure to Hire, and the Ick Factor: Analyzing How Older Bloggers Talk about Ageism. *Proceedings of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2017)*, 655-668.
[acceptance rate: 34%]
[**Best Paper Honorable Mention Award (top 5% of papers)**]

[C.23]   Cingel, D. and Piper, A.M. (2017). How Parents Engage Children in Tablet-Based Reading Experiences: An Exploration of Haptic Feedback. *Proceedings of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2017)*, 505-510.
[acceptance rate: 34%]
[**Best Paper Honorable Mention Award (top 5% of papers)**]

[C.22]   Lazar, A., Cornejo, R., Edasis, C., and Piper, A.M. (2016). Designing for the Third Hand: Empowering Older Adults with Cognitive Impairments through Creating and Sharing. *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2016),* 1047-1058.
[acceptance rate: 26%]
[**Best Paper Award (top 1% of papers)**]

[C.21] Lazar, A., Thompson, H.J., Piper, A.M., and Demiris, G. (2016). Rethinking the Design of Robotic Pets for Older Adults. *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2016),* 1034-1046.
[acceptance rate: 26%]

[C.20] Piper, A.M., Cornejo, R., Hurwitz, L., and Unumb, C. (2016). Technological Caregiving: Supporting Online Activity for Adults with Cognitive Impairments. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2016)*, 5311-5323.
[acceptance rate: 23%]
[**Best Paper Honorable Mention Award (top 5% of papers)**]

[C.19] Brewer, R., and Piper, A.M. (2016). "Tell It Like It Really Is": A Case of Online Content Creation and Sharing Among Older Adult Bloggers. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2016),* 5529-5542.
[acceptance rate: 23%]

[C.18] Brewer, R., Morris, M.R., and Piper, A.M. (2016). "Why would anybody do this?" Older Adults' Understanding of and Experiences with Crowd Work. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2016),* 2246-2257.
[acceptance rate: 23%]

[C.17] Cornejo, R., Brewer, R., Edasis, C., and Piper, A.M. (2016). Vulnerability, Sharing, and Privacy: Analyzing Art Therapy among Older Adults with Dementia. *Proceedings of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2016),* 1572-1583.
[acceptance rate: 25%]

[C.16] Cingel, D.P., Blackwell, C.K., Connell, S., and Piper, A.M. (2015). Augmenting Children's Tablet-Based Reading Experiences with Variable Friction Haptic Feedback. *Proceedings of ACM Conference on Interaction Design and Children (IDC 2015)*, 295-298.
[Short Paper]

[C.15] Lovato, S., and Piper, A.M. (2015). "Siri, is this you?": Understanding Young Children's Interactions with Voice Input Systems. *Proceedings of ACM Conference on Interaction Design and Children (IDC 2015)*, 335-338.
[Short Paper]

[C.14] Twyman, M., Mullenbach, J., Shultz, C., Colgate, J.E., and Piper, A.M. (2015). Designing Wearable Haptic Information Displays for People with Vision Impairments. *Proceedings of the International Conference on Tangible, Embedded and Embodied Interaction (TEI 2015)*, 341-344.
[Short Paper]

[C.13] Mullenbach, J., Shultz, C., Colgate, J.E., and Piper, A.M. (2014). Exploring Affective Communication Through Variable-Friction Surface Haptics. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2014)*, 3963-3972.

[acceptance rate: 23%]
[**Best Paper Honorable Mention Award (top 5% of papers)**]

[C.12] Hope, A., Schwaba, T., and Piper, A.M. (2014). Understanding Digital and Material Social Communications for Older Adults. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2014)*, 3903-3912.
[acceptance rate: 23%]

[C.11] Piper, A.M., Weibel, N., and Hollan, J. (2013). Audio-Enhanced Paper Photos: Encouraging Social Interaction at Age 105. *Proceedings of ACM Conference on Computer-Supported Cooperative Work (CSCW 2013)*, 215-224.
[acceptance rate: 26%]

[C.10] Piper, A.M., D'Angelo, S., and Hollan, J. (2013). Going Digital: Understanding Paper and Photo Documentation Practices in Early Childhood Education. *Proceedings of ACM Conference on Computer-Supported Cooperative Work (CSCW 2013)*, 1319-1328.
[acceptance rate: 26%]

[C.9]   Connell, S., Kuo, P., Liu, L., and Piper, A.M. (2013). A Wizard-of-Oz Elicitation Study Examining Child-Defined Gestures With a Whole-Body Interface. *Proceedings of ACM Conference on Interaction Design and Children (IDC 2013)*, 277-280.
[Short Paper]

[C.8]   Hong, M., Piper, A.M., Weibel, N., Olberding, S., and Hollan, J. (2012). Microanalysis of Active Reading Behavior to Inform Design of Interactive Desktop Workspaces. *Proceedings of ACM Conference on Interactive Tabletops and Surfaces (ITS 2012)*, 215-224.
[acceptance rate: 29%]

[C.7]   Piper, A.M., Weibel, N., and Hollan, J. (2012). TAP & PLAY: An End-User Toolkit for Authoring Interactive Pen and Paper Language Activities. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2012)*, 149-158.
[acceptance rate: 23%]

[C.6]   Piper, A.M., Weibel, N., and Hollan, J. (2010). Introducing Multimodal Paper-Digital Interfaces for Speech-Language Therapy. *Proceedings of ACM Conference on Computers and Accessibility (ASSETS 2010)*, 203-210.
[acceptance rate: 31%]
[**Best Student Paper Award**]

[C.5]   Piper, A.M., Campbell, R., and Hollan, J. (2010). Exploring the Accessibility and Appeal of Surface Computing for Older Adult Health Care Support. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2010)*, 907-916.
[acceptance rate: 22%]

[C.4]   Piper, A.M. and Hollan, J. (2009). Analyzing Multimodal Communication around a Shared Tabletop Display. *Proceedings of European Conference on*

Computer-Supported Cooperative Work (ECSCW 2009), 283-302.
[acceptance rate: 21%]

[C.3]   Piper, A.M. and Hollan, J. (2009). Tabletop Displays for Small Group Study: Affordances of Paper and Digital Materials. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2009)*, 1227-1236.
[acceptance rate: 25%]

[C.2]   Piper, A.M. and Hollan, J. (2008). Supporting Medical Conversations between Deaf and Hearing Individuals with Tabletop Displays. *Proceedings of ACM Computer-Supported Cooperative Work (CSCW 2008)*, 147-156.
[acceptance rate: 23%]

[C.1]   Piper, A.M., O'Brien, E., Morris, M.R., and Winograd, T. (2006). SIDES: A Cooperative Tabletop Computer Game for Social Skills Development. *Proceedings of ACM Computer-Supported Cooperative Work (CSCW 2006)*, 1-10.
[acceptance rate: 20%]

Conference Extended Abstracts, Posters, and Demos

[c.17]   Obiorah, M., Piper, A.M., and Horn, M. (2017). Independent Word Discovery for People with Aphasia. Extended Abstracts of the ACM Conference on Computers and Accessibility (ASSETS 2017).

[c.16]   Brewer, R., Cartwright, M., Karp, A., Pardo, B., and Piper, A.M. (2016). An Approach to Audio-Only Editing for Visually Impaired Seniors. *Extended Abstracts of the ACM Conference on Computers and Accessibility (ASSETS 2016).*

[c.15]   Cingel, D.P. and Piper, A.M. (2016). Examining the role of haptic feedback in parent-child joint reading experiences. *Paper presented at the 66th annual conference of the International Communication Association (ICA).*

[c.14]   Cingel, D.P., Piper, A.M., Connell, S., and Blackwell, C.K. (2015). Developmental differences in young children's uses of and responses to haptic tablet computers. *Paper presented at the 37th biennial meeting of the Society for Research in Child Development 2015*, Philadelphia, PA.

[c.13]   Hargittai, E., Morris, M.R., and Piper, A.M. (2015). Understanding Differentiated Internet Skills among the Elderly. *Abstract presented at the General Online Research (GOR 2015) Conference.*

[c.12]   Jin, S., Mullenbach, J., Shultz, C., Colgate, J.E., Piper, A.M. (2014). OS-Level Surface Haptics for Touch-Screen Accessibility. *Extended Abstracts of the ACM Conference on Computers and Accessibility (ASSETS 2014)*, 315-316.

[c.11]   Brewer, R., Gellner, M., and Piper, A.M. (2014). Portrait Pigeon: An Interactive Photo Messaging Wall for Seniors. *Extended Abstracts of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2014)*, 13-17.

[c.10] Mullenbach, J., Shultz, C., Piper, A.M., Peshkin, M.A., and Colgate, J.E. (2013). Surface Haptic Interactions with a TPad Tablet. *Extended Abstracts of ACM Symposium on User Interface Software and Technology (UIST 2013)*, 7-8.

[c.9] Beheshti, E., Fitzpatrick, C., Hope, A., Piper, A.M., and Horn, M. (2013). Circuit in Pieces: Understanding Electricity from Electrons to Light Bulbs. *Extended Abstracts of ACM Conference on Human Factors in Computing Systems (CHI 2013),* 691-696.

[c.8] Mullenbach, J., Shultz, C., Piper, A.M., Peshkin, M.A., and Colgate, J.E. (2013). TPad Fire: Surface Haptic Tablet. *HAID Haptic and Audio Interaction Design*, Springer, 04/2013.

[c.7] D'Angelo, S., Piper, A.M., and Hollan, J. (2013). Photos for Documentation and Communication in Early Childhood. *Extended Abstracts of ACM Conference on Computer-Supported Cooperative Work (CSCW 2013)*, 135-138.

[c.6] Piper, A.M., Weibel, N., and Hollan, J. (2012). A Pen-Based Toolkit for Authoring Collaborative Language Activities. *Extended Abstracts of ACM Conference on Computer-Supported Cooperative Work (CSCW 2012),* 269-270.

[c.5] Weibel, N., Piper, A.M., and Hollan, J. (2010). HIPerPaper: Introducing Pen and Paper Interfaces for Ultra-Scale Wall Displays. *Symposium on User Interface Software and Technology (UIST 2010)*, 407-408.

[c.4] Weibel, N., Piper, A.M., and Hollan, J. (2010). Exploring Pen and Paper Interaction with High-Resolution Wall Displays. *Symposium on User Interface Software and Technology (UIST 2010)*, 455-456.

[c.3] Piper, A.M. (2010). Supporting Medical Communication with a Multimodal Surface Computer. *Doctoral Consortium Extended Abstracts of Conference on Human Factors in Computing Systems (CHI 2010),* 2899-2902.

[c.2] Piper, A.M. and O'Brien, E. (2005). SIDES: Shared Interfaces to Develop Effective Social Skills. *2005 Stanford Computer Forum Annual Affiliates Meeting*, Stanford University, CA.

[c.1] Hayes, G.R., Piper, A.M., Amar, B., Bevis, K.J., Newstetter, W., and Bruckman, A.S. (2004). Audience in Computer Learning: A Constructionist Interpretation. *Extended Abstracts of the International Conference of the Learning Sciences (ICLS 2004).*

Organized Workshops and Workshop Proceedings

[W.5] Piper, A.M., Gergle, D., and Lazar, A. (2017). The Future of Online Interaction and Older Adulthood. *Organized Workshop held at Northwestern University*.

[W.4] Lazar, A., Cornejo, R., and Piper, A.M. (2016). Can We Design for Vulnerability without Contributing to Disempowerment? Position paper presented at the *Workshop on Exploring Social Justice, Design, and HCI at the ACM Conference on Human Factors in Computing Systems (CHI 2016)*.

[W.3] Feuston, J., and Piper, A.M. (2016). Understanding the Online Social Lives of Young Adults with Traumatic Brain Injury. Position paper presented at the *Workshop on Computing in Mental Health at the ACM Conference on Human Factors in Computing Systems (CHI 2016)*.

[W.2] Brewer, R., Cornejo, R., and Piper, A.M. (2015). Understanding How to Care for Aging Generations Online. Position paper presented at the *Workshop on The Future of Networked Privacy at the ACM Conference on Computer-Supported Cooperative Work (CSCW 2015)*.

[W.1] Piper, A.M. (2008). Cognitive and Pedagogical Benefits of Multimodal Tabletop Displays. Position paper presented at *The Workshop on Shared Interfaces for Learning*, Sept 11-12, 2008, University of Sussex.

Theses and Technical Reports

[T.6] Piper, A.M. (2011). Augmenting Collocated Interaction: The Design of Assistive Technology to Support Face-to-Face Communication. *UCSD Cognitive Science, Doctoral Dissertation*, May 2011.

[T.5] Piper, A.M. (2008). Supporting Communication between Deaf and Hearing Individuals with Multimodal Tabletop Displays. *UCSD Cognitive Science, Second Year Thesis*, May 2008.

[T.4] Zagal, J.P., Piper, A.M., and Bruckman, A. (2006). Social and Technical Factors Contributing to Successful 3D Animation Authoring by Kids. *Georgia Institute of Technology Technical Report GIT-GVU-06-14*.

[T.3] Piper, A.M. (2005). SIDES: A Cooperative Tabletop Computer Game for Social Skills Development. *Stanford University School of Education, Master's Thesis*, June 2005.

[T.2] Morris, M.R., Piper, A.M., Cassanego, A., and Winograd, T. (2005). Supporting Cooperative Language Learning: Issues in Interface Design for an Interactive Table. *Stanford Computer Science Technical Report 2005-08*.

[T.1] Hayes, G.R., Piper, A.M., Amar, B., Bevis, K.J., Newstetter, W., and Bruckman, A.S. (2004). Audience in Computer Learning: A Constructionist Interpretation. *Georgia Institute of Technology Technical Report GIT-GVU-04-13*.

Awards and Honors

Simon Award for Teaching Excellence   2018
School of Communication, Northwestern University

Best Paper Award [C.30] *ACM Conference on Human Factors in Computing Systems (CHI)*	2018
Best Paper Award [C.29] *ACM Conference on Human Factors in Computing Systems (CHI)*	2018
U.S. National Academy of Sciences Kavli Fellow	2018
Best Paper Award [C.27] *ACM Conference on Human Factors in Computing Systems (CHI)*	2017
Best Paper, Honorable Mention Award [C.26] *ACM Conference on Human Factors in Computing Systems (CHI)*	2017
Best Paper, Honorable Mention Award [C.24] *ACM Conference on Computer-Supported Cooperative Work (CSCW)*	2017
Best Paper, Honorable Mention Award [C.23] *ACM Conference on Computer-Supported Cooperative Work (CSCW)*	2017
National Science Foundation Early Career Development Award *NSF CAREER, CISE IIS Division*	2016
Best Paper Award [C.22] *ACM Conference on Designing Interactive Systems (DIS)*	2016
Best Paper, Honorable Mention Award [C.20] *ACM Conference on Human Factors in Computing Systems (CHI)*	2016
Alumnae of Northwestern Award for Curriculum Development	2014
Best Paper, Honorable Mention Award [C.13] *ACM Conference on Human Factors in Computing Systems (CHI)*	2014
UC-San Diego Interdisciplinary Scholar Award	2011
Best Student Paper Award [C.6] *ACM Conference on Computers and Accessibility (ASSETS)*	2010
Doctoral Consortium Support Grant *ACM Conference on Human Factors in Computing Systems (CHI)*	2010
National Science Foundation Graduate Research Fellowship	2004 - 2009

Research Grants and Awards

External Funding

Title / Source	Period	Amount
CAREER: Advancing Online Social Support for Older Adults with Disabilities		

National Science Foundation　　　(IIS-1551574)　　　2016 - 2021　　$499,924
Role: PI

EXP: Advancing Early STEM Learning through Haptic Feedback Displays
National Science Foundation　　　(IIS-1522921)　　　2015 - 2018　　$547,881
Role: PI

EAGER: Understanding Online Communication for Older Adults with Late-Life Vision Loss
National Science Foundation　　　(IIS-1533340)　　　2015 - 2016　　$127,272
Role: PI

Internal Funding

Title / Source	Period	Amount
Designing Cooperative Systems for Health Information Sharing Involving People with Dementia		
Delaney Fund	2017 - 2018	$50,000
Role: PI		
Making and Inclusivity	2017 - 2018	$14,000
Provost Grant for Faculty Innovation in Diversity and Equity		
Role: Co-PI		
Workshop on the Future of Online Interaction for Older Adults		
Communication Studies Department Excellence Funding Initiative Award		
Role: PI	2015 - 2017	$21,000
Hybrid Social Media for Older Adult Health and Wellbeing		
Robert and Kaye Hiatt Fund	2014 - 2015	$71,200
Role: PI		
Assistive Communication Design		
Alumnae of Northwestern Award for Curriculum Development		
Role: PI	2014 - 2015	$12,500
School of Communication Innovation Fund	2013 - 2014	$5,000
Role: PI		

Invited External Presentations and Talks

Piper, A.M. "Creating, Sharing, and Privacy: Designing Social Technologies for Older Adults". *Stanford University, Seminar on People, Computers, and Design* (2017).

Piper, A.M. "Creating, Sharing, and Privacy: Designing Social Technologies for Older Adults". *University of California, Irvine, Department of Informatics Seminar Series* (2016).

Piper, A.M. "Creating, Sharing, and Privacy: Designing Social Technologies for Older

Adults". *University of California, Berkeley, Berkeley Institute for Design Seminar Series* (2016).

Piper, A.M. "The Role of HCI in Older Adulthood". *Opening Keynote for MexIHC Conference*. Colima, Mexico (2016).

Piper, A.M. "Creating, Sharing, and Privacy: Online Interaction for Vulnerable Populations". *Indiana University, Bloomington, School of Informatics and Computing Colloquium Series* (2016).

Piper, A.M. "Designing Social Communication Technologies for Older Adults". *Microsoft Research, Redmond* (2014).

Piper, A.M. "Designing Social Communication Technologies for Older Adults". *University of Washington, Design Use Build Seminar Series* (2014).

Piper, A.M. "Designing Social Communication Technologies for Older Adults". *University of Michigan, Workshop on Social Media Use and Older Adults* (2013).

Piper, A.M. "Designing Hybrid Media for Language Learning and Communication". *DePaul University, School of Computing Research Colloquium* (2013).

Internal Presentations and Talks

Computer Science, Cognitive Systems Brown Bag (Apr 2016)
Communication Sciences and Disorders, Department Colloquium (Mar 2015)
Communication Studies, Family Communication, Guest Lecture (May 2015)
Media, Technology & Society, Graduate Seminar, Guest Lecture (2012, 2013, 2014)
Health Communication MS Program, Guest Lecture (Nov 2014)
Communication Studies, Technology & Human Interaction, Guest Lecture (May 2014)
NU EECS Intro to HCI, Guest Lecture (Feb 2014)
Segal Design and Learning Seminar Series (October 2012)

Professional Experience

Senior Research Associate, LeapFrog Inc. (Emeryville, CA)   2006 - 2007
Lead researcher on all aspects of usability and user experience for FLY Fusion digital pen and applications.

User Experience Researcher, Microsoft Corp. (Redmond, WA)   2005 - 2006
Conducted user experience research on Microsoft Surface, large multi-touch surface computer.

Teaching

Instructor, Spring 2016, 2017
*MTS 525: Qualitative Methods for Understanding Technology Use and Design
Northwestern University*

Instructor, Fall 2016, 2017
COMM_ST 294: Living with Communication Technology
Northwestern University

Instructor, Spring 2017, 2018
HLTH_COM 445: Designing Health User Experiences
Northwestern University

Instructor, Spring 2015
COMM_ST 398: Assistive Communication Design
Northwestern University

Instructor, Fall 2014
COMM_ST 294: Media, Design, and Disability
Northwestern University

Instructor, Fall 2013
COMM_ST 398: Contextual Interviewing for Design
Northwestern University

Instructor, Fall 2012, Spring 2014
MTS 525: Gesture-Based Interface Design
Northwestern University

Instructor, Spring 2012
COGS 160 Designing Gesture-Based Interfaces
University of California, San Diego

Instructor, Winter 2012
COGS 121: Human-Computer Interaction Programming Studio
University of California, San Diego

Instructor, Fall 2011
COGS 120: Human-Computer Interaction
University of California, San Diego

University Service

Northwestern University:

Comm Studies, Departmental Program Review Committee	2017 - 2018
Computer Science Faculty Hiring Committee	2017 - 2018
Women in Computing Faculty Advisory Board	2016 - present
Segal Design Institute Faculty Research Council	2013 - present
TSB Graduate Admissions Committee	2013 - 2014, 2017
Comm Studies, Computation and Communication Search Committee	2016 - 2017
Women in Computing, faculty advisor	2014 - 2016
Comm Studies, Curriculum Committee	2013 - 2015
Comm Studies, Communication and Health Search Committee	2014 - 2016
Comm Studies, Interim Digital Media Module Coordinator	2015

University of California, San Diego:

Women in HCI @ UCSD, Group Founder & Organizer	2008 - 2012
Graduate Studies Teaching Development Advisory Committee	2008 - 2011
Cognitive Science Department Recruitment Committee	2008 - 2010
Graduate Student Peer Mentor	2009 - 2010

Professional Service

Conference Organizing Committee Member:

ACM ASSETS, Best Papers Chair	2017
ACM CSCW, Demos Co-Chair	2016
ACM ITS, Treasurer	2012

Program Committee Member:

Associate Chair: GROUP Conference, Technical Papers	2018
Associate Chair: CHI Conference, Technical Papers & Notes	2015 - 2018
Associate Chair: CSCW Conference, Technical Papers	2014 - 2015, 2017
Associate Chair: ASSETS Conference, Technical Papers	2012 - 2015, 2017
Associate Chair: HCOMP Conference, Technical Papers	2015
Associate Chair: ITS Conference, Technical Papers	2012 - 2013
Associate Chair: Pervasive Health Conf., Technical Papers	2012 - 2013
Associate Chair: UCAmI Conference, Technical Papers	2011

Journal Editorial Boards:

Transactions on Computer-Human Interaction (ToCHI)	2017 - Present
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), Associate Editor	2017 - Present

Ad Hoc Reviewer (Journals):

Transactions on Computer-Human Interaction (ToCHI)
Universal Access in the Information Society (UAIS)
ACM Transactions on Accessible Computing (TACCESS)
Computer Supported Cooperative Work (CSCW)
International Journal of Human-Computer Studies (IJHCS)
Proceedings of the ACM on Interactive, Multimedia, Wearable and Ubiquitous
    Technologies (IMWUT)
International Journal of Learning Technologies (IJLT)
Journal of Entertainment Computing

Reviewer (Conferences):

ACM Conference on Human Factors in Computing Systems (CHI)
ACM Conference on Computer-Supported Cooperative Work (CSCW)
ACM Conference on Computers and Accessibility (ASSETS)
ACM User Interface Software and Technology Symposium (UIST)
ACM Conference on Ubiquitous Computing (UBICOMP)
ACM International Conference on Interactive Tabletops and Surfaces (ITS)
ICST Conference on Pervasive Computing Technologies for Healthcare
Symposium on Ubiquitous Computing & Ambient Intelligence (UCAmI)
Hawaii International Conference on Systems Sciences (HICSS)

Grant Reviewer:
    National Science Foundation   2014 - 2016
    National Institutes of Health   2014

Memberships:
    Association for Computing Machinery (ACM)
    ACM Special Interest Group on Computer-Human Interaction (SIGCHI)
    International Communication Association (ICA)

Advising

Postdoctoral Mentoring:

Elham Beheshti (Northwestern, Computer Science PhD)	2017 - present
Christina Harrington (Georgia Tech, Industrial Design PhD)	2017 - present
Amanda Lazar (University of Washington, BHI PhD)	2014 - 2017
Raymundo Cornejo (CICESE, Computer Science PhD)	2014 - 2015

Doctoral Thesis Committee Chair:

Robin Brewer (NU, TSB Program)	2017

Doctoral Thesis Committee Member:

Silvia Lovato (NU, MTS PhD Program)	In Progress
Mmachi Obiorah (NU, Computer Science PhD Program)	In Progress
Sneha Narayan (NU, TSB Program)	In Progress
Sarah D'Angelo (NU, TSB Program)	In Progress
Sabrina Connell (NU, MTS Program)	In Progress
Noah Liebman (NU, TSB Program)	In Progress
Madeline Smith (NU, TSB Program)	In Progress
Elham Beheshti (NU, Computer Science)	2017
Colin Fitzpatrick (NU, TSB Program)	2017
Sarah Alsulaiman (NU, Computer Science)	2015

Graduate Thesis Adviser:

Emily Wang (NU, TSB PhD Program)	2016 - Present
Jessica Feuston (NU, TSB PhD Program)	2015 - Present
Robin Brewer (NU, TSB PhD Program)	2013 - Present
Bri Hightower (NU, MTS PhD Program)	2016 - 2017
Marlon Twyman (NU, TSB PhD Program)	2013 - 2014

Master's Thesis Committee Member, Reader, Adviser:

Haridu Senadeera (NU, Computer Science MS Program)	2017
Yongfu Relic Wang (NU, Computer Science MS Program)	2017
Bri Hightower (NU, MTS PhD Program)	2017
Lisa Hurwitz (NU, MTS PhD Program)	2013
Joe Mullenbach (NU, Mechanical Engineering PhD Program)	2013

Qualifying Exams Supervised:

Emily Wang (NU, TSB PhD Program)	2017
Jessica Feuston (NU, TSB PhD Program)	2017
Bri Hightower (NU, MTS PhD Program)	2017

Sarah D'Angelo (NU, TSB PhD Program)	2016
Silvia Lovato (NU, MTS PhD Program)	2016
Robin Brewer (NU, TSB PhD Program)	2014, 2015
Emily Harburg (NU, TSB PhD Program)	2014
Noah Liebman (NU, TSB PhD Program)	2014
Drew Cingel (NU, MTS PhD Program)	2014
Elham Beheshti (NU, Computer Science PhD Program)	2013
Pei-Yi Kuo (NU, TSB PhD Program)	2013

Segal Design Cluster Fellowship Advising:

Mmachi Obiorah (NU, Computer Science PhD Program)	2016 - 2017
Robin Brewer (NU, TSB PhD Program)	2015 - 2016
Craig Shultz (NU, Mechanical Engineering PhD Program)	2014 - 2015
Krystal Villanosa (NU, Learning Sciences PhD Program)	2014 - 2015
Joe Mullenbach (NU, Mechanical Engineering PhD Program)	2013 - 2014

Additional Graduate Research Advising and Mentoring:

Yongfu Wang (NU, Computer Science MS Program)	2017
Haridu Senadeera (NU, Computer Science MS Program)	2017
Mengchao Wang (NU, Computer Science MS Program)	2015 - 2016
Xiaoning (Sean) Ni (NU, Computer Science MS Program)	2015
Caitlin Unumb (NU, Health Communication MS Program)	2015
Silvia Lovato (NU, MTS PhD Program)	2015 - Present
Lisa Hurwitz (NU, MTS PhD Program)	2014 - 2015
Courtney Rae Mays (NU, Learning Sciences MA Program)	2014 - 2015
Drew Cingel (NU, MTS PhD Program)	2013 - 2016
Courtney Blackwell (NU, MTS PhD Program)	2013 - 2015
Sabrina Connell (NU, MTS PhD Program)	2013 - 2014
Xiaofeng Zhu (NU, Computer Science MS Program)	2014
Alexis Hope (NU, TSB PhD Program)	2013

Undergraduate Research Advising and Mentoring:

Emma McDonnell (NU, Computer Science)	2017 - Present
Charlotte Marshall-Fricker (NU, Communication Studies)	2015 - Present
Stacey Chao (NU, Computer Science)	2017
Janet Lee (NU, Communication Studies)	2016 - 2017
Karina Sirota (NU, Communication Studies)	2015 - 2016
Laurelle Banta (NU, Mechanical Engineering)	2015 - 2016
Chelsea Kim (NU, Communication Studies)	2013 - 2016
Lauren Kandell (NU, Communication Studies)	2015
Shuran Zhang (NU)	2015
Magan Omar (NU, Electrical Engineering)	2014 - 2015
Antonia Agbeh (NU, Cognitive Science)	2013 - 2015
Vanessa Oguamanam (Univ. of Maryland, Computer Science)	2014
Scott Neaves (NU, Computer Science)	2013 - 2014
Ted Schwaba (NU, Communication Studies)	2013 - 2014
Mindy Chau (NU, Biomedical Engineering)	2013 - 2014
Sarah D'Angelo (UCSD, Cognitive Science; honors thesis)	2013
Matthew Hong (UCSD, Cognitive Science; honors thesis)	2012
Amanda Lazar (UCSD, Electrical Engineering)	2011
Amanda Legge (UCSD, Cognitive Science; honors thesis)	2011

Anna Ostberg (UCSD, Cognitive Science; honors thesis)	2009
Jordan Davison (UCSD, Cognitive Science; honors thesis)	2009
Ross Campbell (UCSD, Cognitive Science)	2009
Matt Wilczynski (UCSD, Cognitive Science)	2009
Nick Gills (UCSD, Cognitive Science and Philosophy)	2008