

# JASMINE JONES, PhD

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## SUMMARY

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My research addresses the sociotechnical challenges of making embedded computing socially acceptable in everyday life. My methodology includes ethnographic methods, development of novel IoT technologies, field studies, and artistic explorations. Domains: collective memory, health and wellness, assistive devices

## EDUCATION

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- 2017 PhD in Information Science**, University of Michigan, Ann Arbor
- Advisor: Dr. Mark S. Ackerman
  - Thesis: *"Crafting a Narrative Inheritance: A Design Framework for Intergenerational Family Memory"*
- 2012 B.S. Computer Science**, University of Maryland, Baltimore County (UMBC)  
**B.A. Interdisciplinary Studies**, University of Maryland, Baltimore County (UMBC)
- Magna cum laude
  - Undergraduate Thesis: *"Visualizations for self-reflection on mouse pointer performance for older adults"*
- 2010 Human-Computer Interaction Study Abroad, University of Melbourne, Melbourne, Victoria, Australia

## HONORS, FELLOWSHIPS AND AWARDS

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### Academic Fellowships & Scholarships

- 2019-20 BlackComputeHer Leadership Fellow  
2018 Postdoctoral Fellow, Big10 Academic Alliance Professorial Advancement Initiative (PAI)  
2016 NSF/Korea National Research Foundation GROW International Research Fellow  
2016 Engaged Pedagogy Fellow, Center for Community-Engaged Academic Learning (Michigan)  
2013-16 NSF Graduate Research Fellowship  
2012-17 GEM Fellowship  
2012-17 University of Michigan Rackham Merit Fellow  
2012 Google Anita Borg Scholar - Finalist  
2007-12 Meyerhoff Scholar (UMBC)  
2007-12 CWIT Scholar (UMBC Center for Women in Information Technology)  
2007-12 UMBC Honors College Scholar  
2007 National Achievement Scholar

### Awards

- 2018 CHI Best Paper – Honorable Mention, CHI2018  
2018 Best Artistic Creation, IoT FUSE Hackday  
2017 Bronze Medal, ACM Student Research Competition  
2017 Audience Choice Winner, IoT FUSE Hackday  
2017 Toyota Mobility Challenge, 3<sup>rd</sup> Place Design  
2016 Willie Hobbs Moore Trailblazer Award (for Service to Women in STEM)

## RESEARCH/TEACHING POSITIONS

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- 9/2019— **Assistant Professor**, Computer and Information Science, Berea College, KY  
2017-2019 **Postdoctoral Research Associate**, Computer Science and Engineering, University of Minnesota  
Mentor: Dr. Svetlana Yarosh  
2016 **Visiting PhD Researcher**, KAIST, South Korea; Host- Creative Interaction Design Lab, Youngkyung Lim

2013 **Visiting Researcher**, Educational Center for the Blind and Visually Impaired, Sierra Leone  
 2012-2017 **Graduate Researcher**, School of Information, University of Michigan, Ann Arbor  
 2012 **Oak Ridge National Lab**, CASL Innovation Hub, Graduate Research Intern  
 2011 **UC Berkeley**, Berkeley Institute of Design, REU intern,  
 Mentor: Dr. Bjorn Hartmann, Dr. Lora Oehlberg  
 2010 **JHU Applied Physics Lab**, Summer Intern  
 2009 **University of Colorado-Boulder**, Wellness Informatics Lab, SMART REU Intern  
 Mentor: Dr. Katie Siek  
 2008 **Iowa State University**, Virtual Reality Application Center, HCI REU Intern  
 Mentor: Dr. Brandon Newendorp, Dr. Eliot Winer, Dr. Ken Kopecky  
 2008-2012 **Undergraduate Research Assistant**, Human-Centered Computing, UMBC  
 Mentor: Dr. Andrew Sears, Dr. Anita Komlodi, Dr. Amy Hurst  
 2008-2012 **Cultural Peer**, The Mosaic: Center for Culture and Diversity, UMBC

## PUBLICATIONS

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### Peer-Reviewed Conference and Journal Publications (*archival, typically <25% acceptance rate*)

[C.11] Unver, B., Jones, J., Thayer, A., Yarosh, L. 2019. "Heterogeneous Device Arrangements Affect Both Partners' Experiences in Collaborative Media Spaces." In *Proceedings of 21st International Conference on Human-Computer Interaction (HCI2019)*.

[C.10] Ahmed, N., Barik, F., Tasnim, Z., Jones, J. 2019. "Reflecting on Development through Digital Family Stories in Bangladesh." In *Proceedings of the 2019 Conference on Information and Communication Technologies and Development (ICTD 2019)*.

[C.9] Jones, J., Ackerman, M.S. 2018. "Co-constructing Family Memory: Understanding the Intergenerational Practices of Passing on Family Memory." In *Proceedings of the 2018 ACM SIGCHI Conference on Human Factors in Computer Systems (CHI'18)*. \*Awarded Best Paper Honorable Mention (top 5% of submissions)

[C.8] Jones, J., Merritt, D., Ackerman, M. S. 2017. "KidKeeper: Design for capturing audio mementos of everyday life for parents of young children." In *Proceedings of the 2017 ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2017)*.

[C.7] Merritt, D., Jones, J., Ackerman, M. S., Lasecki, W. 2017. "Kurator: Using the Crowd to Help Families with Personal Curation Tasks." In *Proceedings of the 2017 ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2017)*.

[C.6] Jones, J., Ackerman, M.S. 2016. "Curating an Infinite Basement: Understanding How People Manage Collections of Sentimental Artifacts." In *Proceedings of 2016 Conference on Supporting Group Work (GROUP 2016)*.

[C.5] Pal, J., Chandra, P., O'Neill, T., Youngman, M., Jones, J., Song, J.H., Strayer, W. and Ferrari, L. "An Accessibility Infrastructure for the Global South." In *Proceedings of the 2016 Conference on Information and Communication Technologies and Development (ICTD 2016)*.

[C.4] Jones, J., Pal, J. "Counteracting dampeners: understanding technology-amplified capabilities of people with disabilities in Sierra Leone." In *Proceedings of International Conference on Information and Communication Technologies and Development (ICTD 2015)*.

[C.3] Kaziunas, L., Buyuktur, A., Jones, J., Choi, S., Hanauer, D., Ackerman, M.S. 2015. "Transition and Reflection in the Use of Health Information: The Case of Pediatric Bone Marrow Transplant Caregivers" In *Proceedings of ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2015)*.

[C.2] Chandra, P. and Jones, J. "Assistive Technology and Autonomy in a Cyborg World." 2015. In *Proceedings of the International Conference on Information and Communication Technologies and Development (ICTD 2015)*.

[C.1] Oehlberg, L., Simm, K., **Jones, J.**, Agogino, A., Hartman, B. 2012. "Showing is sharing: building shared understanding in human-centered design teams with Dazzle." Proceedings of the Conference on Designing Interactive Systems (DIS 2012).

### Short Conference Publications (Refereed, in Proceedings as Extended Abstracts)

[P.3] Brewer, R., and **Jones, J.** "Pinterest: Exploring Reminiscence as an Incentive to Digital Reciprocity for Older Adults." In Companion to Proceedings of ACM SIGCHI Conference on Computer Supported Cooperative Work & Social Computing (CSCW 2015). [Poster]

[P.2] Oehlberg, L., **Jones, J.**, Agogino, A., and Hartmann, B. "Dazzle: supporting framing in co-located design teams through remote collaboration tool." In Companion to Proceedings of the 2012 ACM SIGCHI Conference on Computer Supported Cooperative Work Companion (CSCW 2012). [Poster]

[P.1] **Jones, J.**, Hall, S., Gentis, M., Reynolds, C., Gadwal, C., Hurst, A., Ronch, J., and Neylan, C. 2012. "Visualizations for self-reflection on mouse pointer performance for older adults." In Companion to Proceedings of ACM SIGACCESS Conference on Computers and accessibility (ASSETS 2012). [Poster]

### Refereed Workshops and Consortia Paper (Non-Archival)

[W.8] Mayeesha, T., Tasnim, Z., Ahmed, N., **Jones, J.** "Applying Text Mining to Protest Stories as Voice against Media Censorship." In Workshop on *Solidarity Across Borders* at CSCW2018.

[W.7] **Jones, J.**, Yarosh, L. 2018. "Designing Personal Informatics Applications for Critical Behavioral Self-Tracking Contexts." In Workshop on *Social Issues in Personal Informatics* at CSCW2018.

[W.6] **Jones, J.** 2018. "Family Memory as a Multi-lifespan Social Information System." In NSF Sponsored *Invited Workshop for Long(er) Term Design Thinking*. Seattle, WA.

[W.5] **Jones, J.** 2016. "Designing Social Memory Artifacts in a Smart Home." In Doctoral Consortium at the *19th International Conference on Supporting Group Work (GROUP 2016)*.

[W.4] Merritt, D., **Jones, J.**, Ackerman, M. 2015. "KidKeeper: Capturing Childhood Memories in a Smart Home." In Workshop on *Smart for Life: Designing Smart Technologies that Evolve with Users*, at CHI 2015.

[W.3] **J. Jones.** 2014. "Pulling Together a Patchwork Reality: Supporting Memory Work of Family Memory Keepers." In Workshop on *Broadening Participation*, at UBICOMP 2014.

[W.2] **Jones, J.**, Kaziunas, L. 2014. "Empathic Memory in Healthcare: Design Challenges for Supporting Sentimental Work and Emotional Labor." In Workshop on *Enabling Empathy in Health and Care*, at CHI 2014.

[W.1] **J. Jones.** 2014. "Design and Health in Interactive Architecture." Workshop on *Interaction and Architectural Space*, at CHI 2014.

### Technical Demos and Artistic Exhibitions

[E.5] **Jones, J.** (technical artist) "My Name in My Mother's House," 2018. Performed by Sandjocke Likine in *Anything But English*, by Pangea World Theatre, Minneapolis, MN. [Exhibition]

[E.4] DollIT Studio. "Memory Box." 2017, UMSI Exposition. [Demo]

[E.3] Assocreation, DollIT Studio, Lab11. "Internet of Shoes." 2016. In *22nd International Symposium on Electronic Art (ISEA2016)*, Hong Kong, China. [Demo]

[E.2] DollIT Studio. "DollIT Studio – A Collaborative Research Makerspace." 2016, UMSI Exposition. [Exhibition]

[E.1] Huang, C., **Jones, J.** "Nenrin: Trace-Embedded Objects for Important Life Milestones," 2016, Blueprint Celebrate Creativity Art Show. [Exhibition] \*Awarded "Re:Define Art" Award.

## Invited Talks

[T.5] "Living with Smart Things," 2018. Carleton College, Computer Science Tea Talks.

[T.4]. "Living with Smart Things," February 2018. University of Minnesota, Computer Science and Engineering Colloquium.

[T.3] "Design for Intergenerational Memory Sharing," January 2017. New Jersey Institute of Technology, Computer Science and Information Systems Department, Newark, NJ.

[T.2] "Fantasy or Aspiration: Reflection on L-SWE SUCCESS Camp," October 2015. Michigan Inaugural ICTD Symposium, Ann Arbor, Michigan.

[T.1] "My Journey as a Woman in Technology," August 2015. iLab Liberia Women Accelerating Tech Entrepreneurship Workshop, Monrovia, Liberia.

## FUNDING AND GRANTS

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### Research Grants

#### National Competitions

2016 NSF / Korea National Research Foundation: GROW Award (\$13,000)

2011-12 CRA-W Collaborative Research Experience for Undergraduates (\$3,000)

#### Institutional Competitions

2018 University of Minnesota Art-Tech Collaborative Project Grant (\$500)

2017 \*Michigan Bicentennial Campus of the Future Competition (\$3000)

2016 U. Michigan Rackham Research Grant (\$3,000)

2016 UMSI International Internship Grant (\$5,000)

2013 U. Michigan Africa Studies Center Research Fellowship (\$10,000)

2013 U. Michigan International Center Research Fellowship (\$10,000)

### Curriculum Development Grants

2016 \*UMSI Diversity Committee Special Event Fund (\$3,500)

\*denotes grants pursued as Co-organizer of DollIT Studio Makerspace

## TEACHING & MENTORING

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### Teaching

**2019- Instructor**, Berea College Department of Computer and Information Science  
Fall'19 – CSC124, Building Better Apps

**2018 Co-organizer / Facilitator**. Cornell Summer School on Designing Technology for Social Impact

Collaboratively develop and teach introductory seminars on Critical Design and Design Fiction for graduate students; Facilitate interactive workshops on applying values in design to thesis work

**2014-16 Graduate Student Instructor**, School of Information, University of Michigan

2016 – SI582, Introduction to Interaction Design (Graduate), Instructor: Dr. Tawanna Dillahunt

2014 – SI500, Information in Social Systems (Graduate), Instructors: Dr. David Wallace, Dr. Eric Cook

**2014-15. Mentor Teacher**, Liberia Society of Women Engineers

Built collaborative partnership with trans-national team of female engineering students from Liberia and Michigan; Co-developed curriculum for cross-cultural communication and leadership in engineering for 40 students, Filmed documentary interviews to preserve historic record (first SWE chapter in Africa)

### Guest Lectures

- 2018 Introduction to Arduino Workshop (University of Minnesota)
- 2016 Critical Design and Wearable Technology (DollIT Studio, University of Michigan)
- 2016 Internet of Shoes / Introduction to Circuits (Brightmoor Makerspace, Detroit)

### Formal Mentoring Activities

- 2015-current Advisory Board, Liberia Society of Women Engineers (L-SWE)
- 2016-17 Peer Mentor, UMSI PhD Peer-Mentoring Program
- 2016-2019 Mentor, UMBC Meyerhoff Scholar Alumni Mentoring Program  
*Mentored 3 CS/EE PhD students through first three years of graduate program*
- 2013, 2015 Invited Panelist, "How to Succeed in Graduate School," U. Michigan M-STEM Program
- 2011-12 Principal Investigator, CRA-W Collaborative Research Experience for Undergraduates  
*Mentored an undergraduate CS student in user-centered design, worked with team of art and engineering students to create data visualizations for older adults in smart homes*

### Professional Teaching Development

- 2019-20 LATTICE New Faculty Mentoring Symposium, Seattle, WA
- 2017-19 National Center for Faculty Diversity and Development
- 2016 Engaged Pedagogy Fellow – Center for Community Engaged Academic Learning, U.Michigan
- 2016 Preparing Future Faculty Symposium – University of Michigan
- 2014 First International EPIQ Teaching Workshop – Washington State School for the Blind

## LEADERSHIP AND SERVICE

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### Professional Service

Bangladesh HCI Summer School – Mentor, 2019

#### Conference Organizing Committees

- ACM Conference on Human Factors in Computer Systems (CHI)  
Associate Chair, CSCW Sub-committee, 2019  
Associate Chair, Late-Breaking Work Program Committee, 2018
- Richard Tapia Celebration of Diversity in Computing  
Panels and Workshops Co-Chair, 2018
- Conference on Information and Communication Technologies and Development (ICTD)  
Demos Co-Chair, 2016

#### Journal/Conference Reviewer

- ACM Conference on Computer-Supported Cooperative Work and Social Computing, 2015-18
- ACM Conference on Human Factors in Computer Systems (CHI), 2013-18
- ACM Conference on Designing Interactive Systems (DIS), 2018
- ACM Conference on Human Robot Interaction (HRI), 2018
- ACM International Conference on Supporting Group work, 2019

#### Student Volunteer

- ACM Conference on Human Factors in Computer Systems, 2015
- ACM International Conference on Tangible, Embedded, and Embodied Interaction, 2014

## **Institutional Academic Service**

### *University of Minnesota - Twin Cities*

- 2017-19 Founding Coordinator, UMN Computer Science Postdocs
- 2017-18 Working Group for Mentoring Best Practices, UM Postdoctoral Association

### *University of Michigan, Ann Arbor*

- 2016-17 Student Coordinator, MISC Michigan Interactive and Social Computing Research Group
- 2016-17 Advisory Board, Liberian Society of Women Engineers (L-SWE)
- 2015 Organizer, UMSI Qualitative Research Discussion Group
- 2014-15 PhD Representative, UMSI Diversity Committee
- 2013-14 Co-Organizer, UMSI Doctoral Development Seminar

## **Leadership**

- 2015-17 Organizing Committee, DOLLIT Studio Makerspace
- 2014-16 Executive Committee, MUSES – Mentoring for Minority Graduate Women in Engineering
- 2013-15 Doctoral Executive Committee, School of Information, University of Michigan
- 2009-12 Student Member, President's Commission for Women, UMBC
- 2008-12 Chapter Executive Board, National Society of Black Engineers, UMBC Chapter

## **Professional Memberships**

ACM, ACM Special Interest Group in Human Computer Interaction (SIGCHI), NSBE, ASEE