# JASMINE JONES, PhD

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## SUMMARY

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

**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"*

**B.S. Computer Science,** University of Maryland, Baltimore County (UMBC)
**B.A. Interdisciplinary Studies: "Human-Computer Interaction in an International Cultural Context",**
University of Maryland, Baltimore County (UMBC)
- Magna cum laude

**Visiting Scholar,** Creative Interaction Design Lab, KAIST, South Korea
**Visiting Student,** Human-Computer Interaction, University of Melbourne, Australia

## HONORS, FELLOWSHIPS AND AWARDS

### Academic Fellowships

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| 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

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| 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, 3rd Place Design |
| 2016 | Willie Hobbs Moore Trailblazer Award (for Service to Women in STEM) |

## FUNDING AND GRANTS

### Research Grants

*National Competitions*

| 2020 | Google AI COVID Response for Participatory Design ($30,000) |
| 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

| 2020 | Google Responsible AI Technology Ethics Grant ($30,000) |
| 2016 | *UMSI Diversity Committee Special Event Fund ($3,500) |

*denotes grants pursued as Co-organizer of DoIIIT Studio Makerspace*

## RESEARCH/TEACHING POSITIONS

| 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, Mentor: Dr. 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 |

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| 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

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

[C.12] **Jones, J.,** Ackerman, M.S. 2020. "Learning from Family Mysteries: Accounting for Untold Stories in Family Memory Practices." In *Proceedings of the ACM: Human Computer Interaction.* ACM, New York, NY, USA. https://doi.org/10.1145/1122445.1122456

[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 (HCII2019).*

[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.** "Pinteresce: 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] DoIIIT Studio. "Memory Box." 2017, UMSI Exposition. [Demo]

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

[E.2] DoIIIT Studio. "DoIIIT 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.7] "Decoding Future User Interfaces", 2020, Bangladesh Ada Lovelace Celebration

[T.6] "Future User Interfaces", 2019, Novalis North American IT Summit (Berea, KY)

[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.

## TEACHING & MENTORING

### Teaching

**2019-** **Instructor,** Berea College, Department of Computer Science
CSC124, Building Better Apps (Fall 2019, Spring 2020, Fall 2020)
CSC330, Database Systems (Spring 2020)
CSC 486, Human-Centered Computing (Spring 2020)

**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 (DoIIIT Studio, University of Michigan)
2016    Internet of Shoes / Introduction to Circuits (Brightmoor Makerspace, Detroit)

## Formal Mentoring Activities

2015-2019    Advisory Board, Liberia Society of Women Engineers (L-SWE)
2016-2017    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
2011-2012    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

## 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, 2015-19
        ACM Conference on Human Factors in Computer Systems (CHI), 2013-19
        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*

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

*University of Michigan, Ann Arbor*

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| 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

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| 2015-17 | Organizing Committee, DoIIT 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