

Curriculum Vitae

Maurita T. Harris, M.S.

+1 (217)-300-5445 | 1206 South Fourth St. Champaign, IL 61820 | mauritatharris@gmail.com

Website: mauritatharris.com

Twitter: [@mauritatharris](https://twitter.com/mauritatharris)

Linkedin: [mauritatharris](https://www.linkedin.com/in/mauritatharris)

Education:

- 2019-Present University of Illinois Urbana-Champaign, Champaign, IL
Completing Requirements for a Ph.D. in Community Health
Advisor: Dr. Wendy A. Rogers
- 2016- 2019 University of Illinois Urbana-Champaign, Champaign, IL
M.S. in Community Health
Thesis: Developing the Healthcare Technology Acceptance Model
(H-TAM) for Older Adults
Advisor: Dr. Wendy A. Rogers
- 2012-2015 North Carolina State University, Raleigh, North Carolina
B.A. in Psychology

Research Experience

- 2016-Present Graduate Research Assistant
Human Factors and Aging Laboratory, Champaign, Illinois
Supervisor: Wendy Rogers, Ph.D.
- 2015-2016 Guest Researcher
Fachgebiet Mensch-Maschine-Systeme, Berlin, Germany
Supervisor: Prof. Dr—Matthias Roetting
- 2014-2015 Undergraduate Research Assistant
Learning, Aging, and Cognitive Ergonomics Laboratory, Raleigh, North Carolina
Supervisor: Anne McLaughlin, Ph.D.
- 2012-2014 Undergraduate Research Assistant
Gains through Gaming Laboratory, Raleigh, North Carolina
Supervisor: Jason Allaire, Ph.D.

Teaching Experience

Graduate Courses

University of Illinois at Urbana-Champaign

- Fall 2021 Community Health 494: Technology, Health, and Aging
Project Consultant

Spring 2021	Community Health 441: Health Behavior and Technology <i>Guest Lecturer</i>
Fall 2020	Community Health 494: Technology, Health, and Aging <i>Teaching Assistant</i> <i>Project Consultant</i>
Fall 2019	Community Health 494: Technology, Health, and Aging <i>Teaching Assistant</i>
Fall 2018	Community Health 494: Technology, Health, and Aging <i>Project Consultant</i>
Spring 2017	Architecture 572: Studio: Aging in the American Dream <i>Guest Lecturer and Studio Design Feedback</i>

Undergraduate Courses

University of Illinois at Urbana-Champaign

Fall 2020	Community Health 206: Human Sexuality <i>Instructor, *Ranked as excellent by students with outstanding ratings</i>
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North Carolina State University

Spring 2014	Psychology 340: Ergonomics <i>Teaching Assistant</i>
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Work Experience

2021- Present	Human Factors Specialist User-View Inc., Raleigh, North Carolina
2015	User Analyst Epic Games, Cary, North Carolina

Grants and Funding

2021	American Psychological Association (APA) Dissertation Research Award (\$5,000)
2019	Aging Concerns, Challenges, and Everyday Solution Strategies (ACCESS) Archival Research Grant (\$500)
2018	Supplement to CREATE IV V (6/15/18 - 3/31/19) [P01 AG17211-17S4] Research Supplement to Promote Diversity in Health-Related Research from the National Institute of Health (National Institute on Aging): Wendy A. Rogers, Principal Investigator; Maurita Harris, Key personnel and lead proposal writer (\$61,286)

Manuscripts in preparation/in review/in revision/in press

Harris, M.T., Blocker, K.A., & Rogers, W.A. (in review). Older adults and smart technology: facilitators and barriers to use. *Frontiers in Computer Science*.

Raghavendra, G., **Harris, M.T.**, & Rogers, W.A. (in prep). Towards developing actionable design interventions to support ageing with dignity.

Harris, M.T. & Rogers, W.A. (in prep). Identifying community participation challenges for adults aging with mobility or vision disabilities

Publications

Raghavendra, G., McDonagh, D., **Harris, M.T.**, & Rogers, W.A. (2021). Refining a pedagogical framework for using design as a catalyst. *Design and Technology Education: An International Journal*, 26(3), 230-244. Retrieved from <https://ojs.lboro.ac.uk/DATE/article/view/3035>

Harris, M., & Rogers, W. (2021). Developing a Healthcare Technology Acceptance Model (H-TAM) for Older Adults with Hypertension. *Ageing and Society*, 1-21. <https://doi.org/10.1017/S0144686X21001069>

Rogers, W.A., Ramadhani, W.A., & **Harris, M.T.** (2020). Defining aging in place: The intersectionality of space, person, and time. *Innovation in Aging*, 4, 1–11. <https://doi.org/10.1093/geroni/igaa036>

Book Chapters

Harris, M.T. & Rogers, W.A. (2021). Facilitating adoption of technology to support health self-management of older adults. In H. Lum (Eds.), *Human factors issues and the impact of technology on society (pp.164-179)*. CRC Press.

Harris, M.T., Nie, Q., & Rogers, W. A. (2020). Guiding technology design to empower older adults to actively engage in society. In R. D. Roscoe, E. K. Chiou, & A. R. Wooldridge (Eds.), *Advancing diversity, inclusion, and social justice through human systems engineering (pp. 151-169)*. CRC Press.

Proceedings

Harris, M.T., Blocker, K.A., & Rogers, W.A. (2021). Smartphone and digital home assistant use among older adults: Understanding adoption and learning preferences. *International Human Factors and Ergonomics Annual Meeting*.

* *Aging Technical Group Best Student Paper Honorable Mention*

Raghavendra, G., McDonagh, D., **Harris, M.T.**, & Rogers, W.A. (2020). Design as a catalyst: A pedagogical framework. *22nd International Conference on Engineering and Product Design Education*. Denmark.

Raghavendra, G., McDonagh, D., **Harris, M.T.**, & Rogers, W.A. (2020). Sparks of innovation: Transforming challenges into opportunities. *Proceedings of the 6th International Conference on Desigh4Health*. Amsterdam, Netherlands

Harris, M.T., Blocker, K.A., & Rogers, W.A. (2017). Understanding older adults' intentions to use healthcare technologies: A work in progress. *Proceedings of the 2017 Human Factors and Ergonomics Society*.

Whitlock, L.A., McLaughlin, A.C., **Harris, M.**, & Bradshaw, J. (2015). The design of mobile technology to support diabetes self-management in older adults. *HCI International: Human Aspects of IT for the Aged Population: Design for Everyday Life*

Whitlock, L.A., McLaughlin, A.C., **Harris, M.T.**, & Bradshaw, J. L. (2015). The design of mobile technology to support diabetes self-management in older adults. *Proceedings of the 1st International Conference on Human Aspects of IT for the Aged Population: Design for Everyday Life*.

Technical Reports

Harris, M.T., Trinh, M., Mitzner, T. (in prep). *A human factors approach to designing instructional materials for the MEDSReM system*.

Nie, Q., **Harris, M.T.**, Al-Seleh, S.A., Smith, C., & Rogers, W.A. (in prep). *MEDSReM education team methods and content development*. (MEDSReM-TR-21-04).

Lydon, E., **Harris, M.T.**, Lothary, A., Ramadhani, W.A., Shende, S.A., Mudar, R.A., & Rogers, W.A. (in prep). *The development of the everyday needs assessment for cognitive tasks (ENACT) study*. Rehabilitation and Engineering Research Center for Enhancing Neurocognitive Health, Abilities, Network, and Community Engagement (ENHANCE).

Harris, M.T., Lydon, E.A., Ramadhani, W.A., Mudar, R.A., & Rogers, W.A. (2020). *Subject matter experts input for the everyday needs assessment for cognitive tasks (ENACT) study*. (ENHANCE-TR-2002). Rehabilitation and Engineering Research Center for Enhancing Neurocognitive Health, Abilities, Network, and Community Engagement (ENHANCE).

Koon, L.M., Remillard, E.T., Hartley, J.Q., **Harris, M.T.**, Mitzner, T.L., & Rogers, W.A. (2019). *Coding scheme for the aging concerns, challenges, and everyday solution strategies (ACCESS) study: adults aging with mobility or vision disability*. (TechSage-TR-1902). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.

Harris, M.T., Blocker, K.A., & Rogers, W. A. (2018). *Equipping a smart home research facility with smart technologies*. (HFA-TR-1803). Champaign, IL: University of Illinois Urbana Champaign, Human Factors and Aging Laboratory.

Harris, M.T., & Rogers, W.A. (2017). *Smart home research and facilities: The potential to support aging in place*. (HFA-TR-1702). Champaign, IL: University of Illinois at Urbana-Champaign, Human Factors and Aging Laboratory.

Conference Poster Presentations, Presentations, and Symposia

Rogers, W.A., Mudar, R.A., **Harris, M.T.**, Lydon, E.A., Ramadhani, W.A., Czaja, S., Boot, W., & Charness, N. (2021). Everyday Needs Assessment for Cognitive Tasks (ENACT): Challenges for persons with cognitive impairment. Gerontological Society of America

- Annual Scientific Meeting, Phoenix, Arizona (conference held virtually)
- Mitzner, T.L., **Harris, M.T.**, Blocker, K.A., & Trinh, M.U. (2021, November). Developing instructional support for MEDSReM 2 through human factors design principles. Gerontological Society of America Annual Scientific Meeting, Phoenix, Arizona (conference held virtually)
- Rogers, W.A., Nie, Q., **Harris, M.T.**, Kuchar, S.A., & Floresca, Y.B. (2021, November). Developing educational materials to support older adults with hypertension management. Gerontological Society of America Annual Scientific Meeting, Phoenix, Arizona (conference held virtually)
- Nie, Q., Morrow, D.G., **Harris, M.T.**, Rogers, W.A. (2021, November). Technology to support self-regulation in older adulthood. Gerontological Society of America Annual Scientific Meeting, Phoenix, Arizona (conference held virtually)
- Lothary, A, Lydon, E.A., **Harris, M.T.**, Mudar, R.A., Rogers, W.A. (2021, April). *Virtual needs assessment for older adults with cognitive impairment*. Presented at the International Symposium on Human Factors and Ergonomics in Healthcare, Online
- Ramadhani, W. A., Harris, M. T., & Rogers, W. A. (2020, October). Aging in place: Perspectives across time and disciplines. 12th World Conference of Gerontechnology, Trondheim, Norway (conference held virtually)
- Harris, M.T.**, & Rogers, W.A. (2020, October). *Integrating technology acceptance and behavior change theories to guide technology interventions*. Presented at the Gerontological Society of America Annual Scientific Meeting, Online
- Ramadhani, W.A., **Harris, M.T.**, & Rogers, W.A. (2020, October). *The intersectionality of person, space, and time for understanding aging in place*. Presented at the Gerontological Society of America Annual Scientific Meeting, Online
- Lydon, E.A., **Harris, M.T.**, Mudar, R.A., & Rogers, W.A. (2020, October). *Understanding everyday needs of older adults with cognitive impairments: Insights from subject matter experts*. Presented at the American Congress of Rehabilitation Medicine 97th Annual Conference, Atlanta, GA. (conference held virtually).
- Harris, M.T.** & Rogers, W.A. (2020, May). *Older adults and healthcare technology acceptance: Influence of advice from their care network*. Presented at the International Symposium on Human Factors and Ergonomics in Healthcare, Toronto, Canada (conference held virtually).
- Harris, M.T.**, Koon, L.M., Remillard, E., Mitzner, T.L., & Rogers, W.A. (2019, November). *Identifying community participation challenges for adults aging with mobility and vision disabilities*. Presented at the Gerontological Society of America 2019 Annual Scientific Meeting, Austin, TX.
- Harris, M.T.** & Rogers, W.A. (2019, November). *Understanding acceptance of healthcare technology by older adults: Implications for adoption*. Presented at the Gerontological Society of America 2019 Annual Scientific Meeting, Austin, TX.

- Harris, M.T.** & Rogers, W.A. (2019, October). *Utilizing the epistemic network analysis to understand relationships in the healthcare technology acceptance model (H-TAM)*. Presented at the International Conference on Quantitative Ethnography, Madison, WI.
- Harris, M.T.**, Remillard, E., Koon, L.M., Mitzner, T.L., & Rogers, W.A. (2019, March). *Understanding health technology use challenges for older adults with mobility or visual impairments*. Presented at the International Symposium on Human Factors and Ergonomics in Health Care, Chicago, IL.
- Koon, L.M., **Harris, M.T.**, Mitzner, T.L., & Rogers, W.A. (2019, March). *Aging, disability, and needs for physical activity interventions*. Presented at the International Symposium on Human Factors and Ergonomics in Health Care, Chicago, IL.
- Rogers, W. A., **Harris, M. T.**, Czaja, S. J., Boot, W.R., & Charness, N. (2018, November). *Technology to support aging in place*. Gerontological Society of America 2018 Annual Scientific Meeting, Boston, MA.
- Rogers, W., Koon, L. M., Hartley, J. Q., Mitzner, T. L., **Harris, M. T.**, Remillard, E. T., & Singleton, J. L. (2018, November). *Aging concerns, challenges, and everyday solution strategies for individuals with disabilities*. Gerontological Society of America 71st Annual Meeting, Boston, MA.
- Koon, L. M., **Harris, M. T.**, & Rogers, W. A. (2018, June). *Understanding exercise challenges and solutions for older adults aging with a mobility impairment*. Presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSA), Denver, CO.
- Rogers, W. A., & **Harris, M. T.** (2018, May). *Maximizing the potential and uptake of healthcare technology*. Presented at the International Society for Gerontechnology 11th World Conference, St. Petersburg, FL.
- Harris, M. T.**, Koon, L. M., & Rogers, W. A. (2018, May). *The potential for technology to support managing one's health while aging with an impairment*. Presented at the International Society for Gerontechnology 11th World Conference, St. Petersburg, FL.
- Harris, M.T.**, & Rogers, W. A. (2018, March). *The development of the healthcare technology acceptance model (H-TAM) for older adults: A conceptual model*. Presented at the International Symposium on Human Factors and Ergonomics in Health Care, Boston, MA.
- Harris, M.T.**, & Rogers, W.A. (2017, October). *Thematic analysis of smart home laboratories that support older adults aging in place*. Presented at the 2017 CHART Symposium, Champaign, IL.
- Harris, M.T.**, & Rogers, W.A. (2017, September). *The value of smart home laboratories to support older adults' home health care needs*. Presented at the 2017 Illinois-NTU Global Issues Forum: Health in Smart Urban Environments, Champaign, IL.
- Harris, M. T.**, Blocker, K.A., & Rogers, W.A., (2017, April). *Towards an understanding of older adults' intentions to use healthcare technologies*. Presented at the 2017 Community of

Scholars Research Symposium, Champaign, IL.

Koon, L., **Harris, M.**, & Rogers, W. A. (2017, March). *Taxonomy of everyday support needs*. Presented at the Chittenden Symposium, University of Illinois at Urbana-Champaign, Champaign, IL.

Harris, M.T., & Rogers, W.A. (2017, March). *The value of smart home laboratories to support older adults' home health care needs*. Presented at the 2017 Chittenden Symposium Assistive Technologies in Health, Champaign, IL.

Harris, M.T., & Rogers, W.A. (2017, March). *The value of smart home laboratories to support older adults' home health care needs*. Presented at the 2017 TechSAge State of the Science Conference, Atlanta, GA.

Harris, M.T., & Rogers, W.A. (2017, March). *The value of smart home laboratories to support older adults' home health care needs*. Presented at the 2017 International Symposium on Human Factors and Ergonomics in Health Care, New Orleans, LO.

Bradshaw, J., **Harris, M.**, Lester, K., McGraw, A., Whitlock, L.A., & McLaughlin, A.C. (2015, February). *Individual differences in perceived barriers and strategies for maintaining a diabetes diet*. Presented at the North Carolina Cognition Group at Elon University, NC.

Harris, M.T., Bradshaw, J.L., Whitlock, L.A., & McLaughlin, A.C. (2015, February). *A cognitive perspective on the design of technology to support diabetes self-management*. Presented at the North Carolina Cognition Group at Elon University, NC.

Harris, M.T., Swanek, W., Whitlock, L.A., & McLaughlin, A.C. (2014, July). *The development of a coding scheme examining a diabetes forum*. Presented at the 13th Annual NC State Summer Undergraduate Research Symposium, Raleigh, NC.

Harris, M.T., Whitlock, L.A., & McLaughlin, A.C. (2014, July). *Static images vs. Video and auditory instructions when ASL*. Presented at the 13th Annual NC State Summer Undergraduate Research Symposium, Raleigh, NC.

Harris, M.T., Grenhart, W.C.M., Allaire, J.C., & Whitfield, K.E. (2013, November). *The relationship between variables among older African American adults*. Presented at the Annual Biomedical Research Conference for Minority Students, Nashville, TN.

Harris, M.T., Grenhart, W.C.M., Allaire, J.C., & Whitfield, K.E. (2013, July). *The relationship between variables among older African American adults*. Presented at the 12th Annual NC State Summer Undergraduate Research Symposium, Raleigh, NC.

Research Mentoring

Undergraduate Students

2020-2021 Olivia Kupiec
Honors Thesis: *Understanding older adults' motivations and preferences for medication adherence apps*

Student Mentoring

Graduate Students

2020-2021 Mimi Trinh

Undergraduate Students

2021- Shaunik Kapoor
2021- Vera Zakhari
2021- Olivia Kuhl
2021 Fiona Tomlins
2021 Carson Smith
2021 Arijana Sovsic
2021 Maya Dye
2016-2021 Olivia Kupiec
2019-2020 Megan Sebahar
2019-2020 Alyse Bondarowicz
2016-2017 Claire Textor
2015-2016 Saahithya Gowrishankar

Professional Certifications

2020, October Montreal Cognitive Assessment Training and Certification
2020, February Health Insurance Portability and Accountability (HIPAA) Training
2019, May University of Illinois Urbana-Champaign
Certificate in Foundations of Teaching

Continuing Education and Workshops

2021, April Human Factors and Ergonomics Society in Health Care
Applying HFE Principles to Produce Inherently Safe Medical Devices
2020, October Human Factors and Ergonomics Society
Root Cause Analysis of Use Errors and Assessment of Residual Risk
2020, October University of Illinois Urbana-Champaign
CSBS Methods Series: Qualitative Evidence for Impact

Honors and Awards

2015-2016 Fulbright Study/Research Program, United States Department of State
2012-2015 Initiative for Maximizing Student Diversity (*NIH-IMSD*), National Institute of Health

Service

Human Factor and Ergonomics Society

2019 64th International Annual Meeting
Proposal Reviewer

2018 63rd International Annual Meeting
Proposal Reviewer

2017-2018 HFES Aging Technical Group
Newsletter Editor

University of Illinois at Urbana-Champaign

2019 College of Applied Health Science: Faculty Search Committee
(Health Technology)

2018-Present University Librarian's Student Advisory Council

North Carolina State University

2015-2016 Student Government 94th session
Diversity and Inclusion Outreach Commission Chair

Other

2017 Mattamuskeet Early College High School
Graduation Speaker

Reviewing Activities

Ad Hoc Reviewer

Journal of Medical Internet Research

Memberships

American Psychological Association, Student Member

Gerontological Society of America, Student Member
Technical Groups: Health Behavior

Human Factors and Ergonomics Society (HFES), Student Member
Technical Groups: Health Care; Aging
Committees: Diversity, Equity, & Inclusion; People of Color
University of Illinois Urbana Champaign Student Chapter: Inaugural President

Psi Chi, International Honor Society in Psychology

User Experience Professionals Association, Student Member