

Maia Jacobs

Assistant Professor
Department of Computer Science
Department of Preventive Medicine
Northwestern University
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Appointments

2021– * **Northwestern University**, Evanston, IL
Assistant Professor, Computer Science
Assistant Professor, Preventive Medicine (joint appointment)
2018-20 **Harvard University**, Cambridge, MA
Postdoctoral Fellow, Center for Research on Computation and Society

Education

2012–17 **Ph.D.**, Human Centered Computing, Georgia Institute of Technology
2005-10 **B.S.**, Industrial and Systems Engineering, University of Wisconsin-Madison

Awards & Honors

2025 ACM CHI Best Paper Honorable Mention Award
2024 Searle Fellow, Northwestern University
2021 Lisa Wissner-Slivka and Benjamin Slivka Chair in Computer Science
2019 iSchools Doctoral Dissertation Award
2019 Georgia Institute of Technology College of Computing Dissertation Award
2019 Harvard Data Science Initiative Postdoctoral Fellow Research Fund Award
2017 Rising Stars in EECS, Stanford University
2016 Georgia Tech Foley Scholar Award
2014 ACM CHI Best Paper Honorable Mention Award
2014 1st Place for Community Impact, Georgia Tech Convergence Innovation Competition

Funding

As PI and Co-PI

2025 National Institute of Mental Health ALACRITY center seed grant
A Mixed-Method Study to Address Algorithmic Fairness in Mental Health Risk Calculators
PI: Maia Jacobs. 01/2025-12/2025. \$74,717.
2025 ARCC Partnership Development Grant
Building a Community Advisory Board to Address Vicarious Trauma and Burnout Among Advocates Against Gender-based Violence.
PIs: Maia Jacobs, Colleen Norton. 2025-2026. \$8,000.

- 2023 National Cancer Institute Supplement (P50CA271353)
Design and evaluation of EMR reports to facilitate clinician-led communication on cancer risk behaviors with cancer survivors.
PIs: Maia Jacobs, Courtney Scherr. 2023-2024. \$94,781
- 2022 Underwriters Laboratories Inc.
Co-designing Patient-Facing Machine Learning for Prenatal Stress Reduction.
PIs: Maia Jacobs, Nabil Alshurafa. 2023-2024. \$262,987.
- 2021 National Science Foundation Smart & Connected Community Planning Grant (2125488)
Improving healthcare access in marginalized communities through smart connected technologies.
PIs: Yu Nie, Kiarri Kershaw, Maia Jacobs, Amanda Stathopoulos, Qi Zhu. 2021-2022. \$100,000.
- 2019 Harvard Data Science Initiative Postdoctoral Fellow Research Fund.
Personalizing mental health care: Bringing machine learning support into the clinic through user centered design.
PIs: Maia Jacobs, Melanie Pradier. 2019-2020. \$9600.

As HCI Lead

Note: These are funded clinical projects led by large interdisciplinary teams, in which I served as co-investigator and the lead HCI researcher

- 2025 National Cancer Institute (1U19CA291404)
Advancing Control Equity Research Through Transformative Solutions in Patient Navigation (ACCERT PN).
PIs: Melissa Simon, Betina Yanez. 2025-2030. \$10,000,000).
- 2022 National Cancer Institute (P50CA271353)
Scalable TELeheaLth Cancer CARE: The STELLAR Program to Treat Cancer Risk Behaviors.
PIs: Sofia Garcia, Brian Hitsman, Siobhan Phillips, Bonnie Spring. 2022-2027. \$6,714,637.
- 2020 National Institute of Mental Health (1P50MH119029)
Technology Enabled Services for Coordinated Care of Depression in Healthcare Settings.
PI: David Mohr. 2020-2025. \$6,121,978.

Publications

Peer Reviewed Journal and Conference Articles

Note: In Computer Science and Human-Computer Interaction, conferences are considered top-tier publication venues, equivalent to high impact journals.

- J34 Ulloa, M., Kamali, N., Fernandes, G. J., Soyemi, E., Beltzer, M. L., Alshurafa, N., and **Jacobs, M.**, 2026. "I Don't Like Being Told Just What to Do; I Need to Know Why": Patient Expectations of Machine Learning-Driven Just-in-Time-Adaptive Interventions (JITAI)s for Prenatal Stress Management. *ACM Trans. Comput. Healthcare*.
- J33 Collins, C., Fackler, J., Sacco, M.J. and **Jacobs, M.**, 2025. Critical conversations: a user-centric approach to chatbots for history taking in the pediatric intensive care unit. *Frontiers in Pediatrics*, 13, p.1646989.

- J32 Jayeoba, M., Scherr, C.L., Carroll, A.J., Daly, E., Kerstiens, S., Phillips, S.M., Hitsman, B., Garcia, S.F., Spring, B. and **Jacobs, M.**, 2025. Low-Burden Electronic Health Record Strategies for Engaging Oncologists in Digital Health Behavior Change Interventions: Qualitative Interview Study. *Journal of medical Internet research*, 27, p.e65975.
- J31 Kerstiens, S., Scherr, C.L., **Jacobs, M.**, Carroll, A.J., Jayeoba, M., Daly, E.R., Phillips, S.M., Hitsman, B., Garcia, S.F. and Spring, B., 2025. Speaking of survival: oncologists' approaches to risk behavior conversations with cancer survivors. *Journal of Cancer Survivorship*, pp.1-8.
- J30 Chau, C.W., Norton, C., Kruzan, K.P. and **Jacobs, M.**, 2025, April. "All Day, Every Day, Listening to Trauma": Investigating Features of Digital Interventions for Empathy-Based Stress and Burnout. In *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems* (pp. 1-18). ***Best Paper Honorable Mention**
- J29 Chau, C.W., Studd, H., Huang, D., Norton, C., Kruzan, K.P. and **Jacobs, M.**, 2024. Envisioning the Future of Burnout Support: Understanding Frontline Workers' Experiences in Nonprofit Gender-Based Violence Organizations. *Proceedings of the ACM on Human-Computer Interaction*, 8(CSCW2), pp.1-28.
- J28 Spring, B., Garcia, S.F., Daly, E., **Jacobs, M.**, Jayeoba, M., Jordan, N., Kircher, S., Kocherginsky, M., Mazzetta, R., Pollack, T. and Scanlan, L., 2024. *Scalable Telehealth Cancer Care: integrated healthy lifestyle program to live well after cancer treatment*. JNCI Monographs, 2024(64), pp.83-91.
- J27 Wong, N., Jeong, S., Reddy, M., Stamatis, C.A., Lattie, E.G. and **Jacobs, M.**, 2024, July. Voice assistants for mental health services: Designing dialogues with homebound older adults. In *Proceedings of the 2024 ACM Designing Interactive Systems Conference* (pp. 844-858).
- J26 Cruz, S., Lu, C., Ulloa, M., Redding, A., Hester, J. and **Jacobs, M.**, 2024. Perceptions of wearable health tools post the COVID-19 emergency in low-income Latin communities: qualitative study. *JMIR mHealth and uHealth*, 12, p.e50826.
- J25 Kim, T., Kim, H., Roberts, A.C., **Jacobs, M.** and Kay, M., 2024. Opportunities in mental health support for informal dementia caregivers suffering from verbal agitation. *Proceedings of the ACM on Human-Computer Interaction*, 8(CSCW1), pp.1-26.
- J24 Meyerhoff, J., Kornfield, R., Lattie, E.G., Knapp, A.A., Kruzan, K.P., **Jacobs, M.**, Stamatis, C.A., Taple, B.J., Beltzer, M.L., Berry, A.B. and Reddy, M., 2023. From formative design to service-ready therapeutic: A pragmatic approach to designing digital mental health interventions across domains. *Internet Interventions*, 34, p.100677.
- J23 Lam, B.D., Hussain, Z., Acosta-Perez, F.A., Riaz, I.B., **Jacobs, M.**, Yee, A.J. and Sontag, D., 2023. Evaluating Physician-AI Interaction for Multiple Myeloma Management: Paving the Path Towards Precision Oncology. *Blood*, 142, p.2281.
- J22 Cruz, S., Redding, A., Chau, C.W., Lu, C., Persche, J., Hester, J. and **Jacobs, M.**, 2023, April. EquityWare: Co-designing wearables with and for low income communities in the US. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems* (pp. 1-18).
- J21 Cheema, B., Mutharasan, R., Sharma, A., **Jacobs, M.**, Powers, K., Lehrer, S., Wehbe, F., Rich, J., Ghafourian, K., Tibrewala, A. and McCarthy, P., 2023. Machine Learning-Enabled Workflow To Identify Patients With Advanced Heart Failure In An Integrated Health System. *Journal of Cardiac Failure*, 29(4), pp.640-641.
- J20 Ulloa, M., Rothrock, B., Ahmad, F.S. and **Jacobs, M.**, 2022. Invisible clinical labor driving the successful integration of AI in healthcare. *Frontiers in Computer Science*, 4, p.1045704.

- J19 Cheema, B., Mutharasan, R.K., Sharma, A., **Jacobs, M.**, Powers, K., Lehrer, S., Wehbe, F.H., Ronald, J., Pifer, L., Rich, J.D. and Ghafourian, K., 2022. Augmented intelligence to identify patients with advanced heart failure in an integrated health system. *JACC: Advances*, 1(4), p.100123.
- J18 Burgess, E.R., Kaziunas, E. and **Jacobs, M.**, 2022. Care frictions: A critical reframing of patient noncompliance in health technology design. *Proceedings of the ACM on Human-Computer Interaction*, 6(CSCW2), pp.1-31.
- J17 **Jacobs, M.**, He, J., F. Pradier, M., Lam, B., Ahn, A.C., McCoy, T.H., Perlis, R.H., Doshi-Velez, F. and Gajos, K.Z., 2021, May. Designing AI for trust and collaboration in time-constrained medical decisions: a sociotechnical lens. In *Proceedings of the 2021 chi conference on human factors in computing systems* (pp. 1-14).
- J16 Pater, J., Coupe, A., Pfafman, R., Phelan, C., Toscos, T. and **Jacobs, M.**, 2021, May. Standardizing reporting of participant compensation in HCI: A systematic literature review and recommendations for the field. In *Proceedings of the 2021 CHI conference on human factors in computing systems* (pp. 1-16).
- J15 **Jacobs, M.**, Pradier, M.F., McCoy Jr, T.H., Perlis, R.H., Doshi-Velez, F. and Gajos, K.Z., 2021. How machine-learning recommendations influence clinician treatment selections: the example of antidepressant selection. *Translational psychiatry*, 11(1), p.108.
- J14 Hu, J., Joung, J., **Jacobs, M.**, Gajos, K.Z. and Seltzer, M.I., 2020, June. Improving data scientist efficiency with provenance. In *Proceedings of the ACM/IEEE 42nd International Conference on Software Engineering* (pp. 1086-1097).
- J13 **Jacobs, M.**, Hopkins, J., Mumber, M. and Mynatt, E., 2020, March. Usability evaluation of an adaptive information recommendation system for breast cancer patients. In *AMIA Annual Symposium Proceedings* (Vol. 2019, p. 494).
- J12 **Jacobs, M.**, Gheihman, G., Gajos, K.Z. and Gupta, A.S., 2019. "I think we know more than our doctors" How Primary Caregivers Manage Care Teams with Limited Disease-related Expertise. *Proceedings of the ACM on Human-Computer Interaction*, 3(CSCW), pp.1-22.
- J11 **Jacobs, M.**, Johnson, J. and Mynatt, E.D., 2018. MyPath: Investigating breast cancer patients' use of personalized health information. *Proceedings of the ACM on Human-Computer Interaction*, 2(CSCW), pp.1-21.
- J10 Connelly, K., Mayora, O., Favela, J., **Jacobs, M.**, Matic, A., Nugent, C. and Wagner, S., 2017. The future of pervasive health. *IEEE Pervasive Computing*, 16(1), pp.16-20.
- J9 **Jacobs, M.L.**, Clawson, J. and Mynatt, E.D., 2017. Articulating a patient-centered design space for cancer journeys. *EAI endorsed transactions on pervasive health and technology*, 3(9), p.e5.
- J8 **Jacobs, M.**, Cramer, H. and Barkhuus, L., 2016, November. Caring about sharing: Couples' practices in single user device access. In *Proceedings of the 2016 ACM International Conference on Supporting Group Work* (pp. 235-243).
- J7 **Jacobs, M.**, Clawson, J. and Mynatt, E.D., 2016, May. A cancer journey framework: guiding the design of holistic health technology. In *Proceedings of the 10th EAI International Conference on Pervasive Computing Technologies for Healthcare* (pp. 114-121).
- J6 **Jacobs, M.**, Clawson, J. and Mynatt, E.D., 2015, October. Lessons learned from a yearlong deployment of customizable breast cancer tablet computers. In *Proceedings of the conference on Wireless Health* (pp. 1-7).

- J5 Cramer, H. and **Jacobs, M.L.**, 2015, April. Couples' Communication Channels: What, When & Why?. In *Proceedings of the 33rd annual CHI conference on human factors in computing systems* (pp. 709-712).
- J4 **Jacobs, M.L.**, Clawson, J. and Mynatt, E.D., 2015, February. Comparing health information sharing preferences of cancer patients, doctors, and navigators. In *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW)* (pp. 808-818).
- J3 Khanipour Roshan, P., **Jacobs, M.**, Dye, M. and DiSalvo, B., 2014, November. Exploring How Parents in Economically Depressed Communities Access Learning Resources. In *Proceedings of the 2014 ACM International Conference on Supporting Group Work* (pp. 131-141).
- J2 **Jacobs, M.L.**, Clawson, J. and Mynatt, E.D., 2014, April. My journey compass: a preliminary investigation of a mobile tool for cancer patients. In *Proceedings of the CHI Conference on Human Factors in Computing Systems* (pp. 663-672). ***Best Paper Honorable Mention**
- J1 **Jacobs, M.**, Clawson, J. and Mynatt, E.D., 2014, February. Cancer navigation: opportunities and challenges for facilitating the breast cancer journey. In *Proceedings of the 17th ACM conference on Computer Supported Cooperative Work & Social Computing (CSCW)* (pp. 1467-1478).

Book Chapters

- B1 **Jacobs, M.** and Mynatt, E.D., 2017. Design principles for supporting patient-centered journeys. In *Designing Healthcare That Works* (pp. 19-38). Academic Press.

Organized Workshops

- W2 Pater, J.A., Badillo-Urquiola, K., Wisniewski, P., LaLone, N. and **Jacobs, M.**, 2020, January. GROUP4Good: Exploring Positive Impacts of GROUP Research. In *Companion Proceedings of the 2020 ACM International Conference on Supporting Group Work* (pp. 147-150).
- W1 Maestre, J.F., Eikey, E.V., Warner, M., Yarosh, S., Pater, J., **Jacobs, M.**, Marcu, G. and Shih, P.C., 2018, October. Conducting research with stigmatized populations: Practices, challenges, and lessons learned. In *Companion of the 2018 ACM conference on computer supported cooperative work and social computing (CSCW)* (pp. 385-392).

Extended Abstracts and Workshop Publications

- A16 Liu, Y., Cha, G.E., Xu, C., Wang, W., Leung, I., Kwan, T., Tom, L., **Jacobs, M.**, Yanez, B., Simon, M. and Chan, G., 2026, April. Designing a Social Robot to Enhance Digital Health Literacy in Cantonese-speaking Chinese Immigrant Communities. In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems* (pp. 1-6).
- A15 Davis, A., Chau, C.W. and **Jacobs, M.**, 2025, April. Preliminary Feasibility of Using Crowdworkers to Identify Visual Triggers for Photosensitive Epilepsy in Digital Media. In *Proceedings of the Extended Abstracts of the 2025 CHI Conference on Human Factors in Computing Systems* (pp. 1-8).
- A14 Chau, C., Studd, H., Kruzan, K., **Jacobs, M.**, 2023. Towards trauma-informed interventions with & for secondary traumatic stress (STS) for advocates in gender-based violence". *CSCW Workshop on Trauma-Informed Design: A Collaborative Approach to Building Safer Online Spaces*. Minneapolis, MN.

- A13 Ulloa, M., Kamali, N., Fernandes, G., Soyemi, E., Beltzer, M., Gopinath Menon, N., Alshurafa, N., **Jacobs, M.**, 2023. Patient-Facing Machine Learning for Prenatal Stress Reduction in the United States: A Co-design Toolkit. *CSCW workshop on Supporting User Engagement in Testing, Auditing, and Contesting AI*. Minneapolis, MN.
- A12 Chau, C., Kruzan, K., **Jacobs, M.**, 2023. From self to community care: The need for multilevel interventions to address advocate burnout in gender-based violence. *CHI Workgroup on Interactive Systems in Healthcare (WISH)*. Hamburg, Germany.
- A11 Fernandes, G., Choi, A., **Jacobs, M.**, Darwiche, A., Alshurafa, N., 2022. Do Exact Explanations Make a Difference? A Case Study Among Weight Management Experts. *CHI 2022 Workshop on Trust and Reliance in AI-Human Teams (TRAIT)*. New Orleans, LA.
- A10 **Jacobs, M.**, Pradier, M.F., Mynatt, E.D., Perlis, R.H., Doshi-Velez, F., Gajos, K.Z., 2019. Integrating AI Recommendations into the Pharmacologic Management of Major Depressive Disorder. *CSCW 2019 Workshop on Identifying Challenges and Opportunities in Human-AI Collaboration in Healthcare*. Austin, TX.
- A9 **Jacobs, M.**, 2019. Ethical issues in social computing research: Considering the case of chronic disease disclosures on social media. *iConference 2019 Workshop on Conceptualizing the Future of Information Privacy Research*. College Park, MD.
- A8 **Jacobs, M.**, 2018. Confronting Health Stigma in Rural Communities. *CSCW 2018 Workshop on Conducting Research with Stigmatized Populations: Practices, Challenges and Lessons Learned*. Jersey City, NJ.
- A7 **Jacobs, M.**, 2018. Personalized, adaptive health information to support health management in a rural setting. *CCC and SBM Workshop on Sociotechnical Interventions for Health Disparity Reduction*. New Orleans, LA.
- A6 **Jacobs, M.**, Mynatt, E.D., 2017. Usability Assessment of a Personalized and Adaptive Health Tool. *CHI 2017 Workshop on Interactive Systems in Healthcare (WISH 2017)*. San Jose, CA.
- A5 Macleod, H., **Jacobs, M.**, Siek, K., Connelly, K., Mynatt, E.D., 2016. Ethical Considerations in Pervasive Health Research. *Pervasive Health 2016 Workshop on the Future of Pervasive Health*. Cancun, Mexico.
- A4 **Jacobs, M.**, Clawson, J., Mynatt, E.D., 2016. Research Highlight: Lessons Learned From a Year-long Deployment of Customizable Breast Cancer Tablet Computers.” *CHI 2016 Workshop on Interactive Systems in Healthcare (WISH)*. San Jose, CA.
- A3 **Jacobs, M.**, Clawson, J., and Mynatt, E., 2015. Examining Proactive Health through a Health Journey Lens, *CSCW 2015 Workshop on Moving Beyond e-Health and the Quantified Self*. Vancouver, Canada.
- A2 Clawson, J., **Jacobs, M.**, and Mynatt, E., 2014. Transitioning through Cancer: Supporting the Cancer Journey from Diagnosis to Survivorship,” *CHI 2014 Workshop on Designing Technology for Major Life Events*. Toronto, Canada.
- A1 **Jacobs M.**, Clawson, J., Mynatt, E.D., 2013. Perceptions of Breast Cancer Navigation from Survivors and Oncologists. *AMIA 2013 Workshop on Interactive Systems in Healthcare (WISH)*. Washington, DC.

Posters

- P10 Wong, N., Krause, C. J., Winkquist, N. W., Karr, C., Carroll, A. J., Mohr, D. C., Reddy, M., **Jacobs, M.**, 2025, August. Lessons Learned: Using Amazon Alexa in a Feasibility Trial of Digital Mental Health Intervention. Poster presentation. *ISRII 13th Scientific Meeting*, San Diego, CA.
- P9 Wong, N., Winkquist, N., Parsons, L., Smith S., Krause, C. J., Barnas, O., Karr, C., Bradley S., Reddy R., **Jacobs M.**, Carroll, A. J., Mohr, D. C. 2025, August. Alexa for Depression Management: Pilot Trial Results with Older Adults. Poster presentation. *ISRII 13th Scientific Meeting*, San Diego, CA.
- P8 Ulloa, M., Kamali, N., Fernandes, G., Soyemi, E., Beltzer, M., Alshurafa, N., Kaveladze, B. and **Jacobs, M.**, 2024, June. Co-designing patient-facing machine learning for prenatal stress reduction. *ISRII 12th Scientific Meeting*, Limerick, Ireland.
- P7 Chau, C., Kruzan, K., **Jacobs, M.**, 2023. Co-designing Interventions for Burnout with Community Organizations in Gender-based Violence. *CRA-WP Grad Cohort Workshop for Women*. San Francisco, CA.
- P6 Ulloa, M., and **Jacobs, M.**, 2023. Embedding Mental Health Support into Community CS Programs. *CRA-WP Grad Cohort Workshop for Women*. San Francisco, CA.
- P5 Wong, N. Jeong, S. Reddy, M. Lattie, E. **Jacobs, M.**, 2023. “Designing a voice-assisted collaborative mental health intervention for homebound older adults and family caregivers.” *2023 Annual Meeting of the Society for Digital Mental Health*.
- P4 Chau, C., Kruzan, K., **Jacobs, M.**, 2022. Co-designing Burnout Interventions with Frontline Health Workers. *Lambert Conference on the Future of Human Computer Interaction + Design*. Evanston, IL.
- P3 Ulloa, M., and **Jacobs, M.**, 2022. Embedding Mental Health Support into Community CS Programs. *Lambert Conference on the Future of Human Computer Interaction + Design*. Evanston, IL.
- P2 Wijaya, C. **Jacobs, M.**, Lattie, E. 2022. Maximizing Limited Mental Health Services: Needs for and Interests in Digital Stress Management Tools for Oncology Wait Rooms. *Association for Psychological Science Annual Convention*. Chicago, IL.
- P1 **Jacobs, M.**, Clawson, J., Mynatt, E.D., 2013. “Cancer Compass: Examining Personal Health Record Usage Among Breast Cancer Survivors,” *7th EAI International Conference on Pervasive Computing Technologies for Healthcare*. Venice, Italy. 5-8 May 2013.

Invited Talks

- 2025 **Nokia Bell Labs Responsible AI Seminar Series**
Designing Human-Centered ML for Collaborative Medical Decision Making
HCI in Healthcare Course, University of Copenhagen
Designing Human-Centered ML for Collaborative Medical Decision Making
Dagstuhl Seminar: From Research to Certification with Data-Driven Medical Decision Support Systems AI in Healthcare: Key Human-Computer Interaction Challenges
- 2024 **CSGrad4US Panel**
What I Wish I Would Have Known Before Attending Graduate School
- 2023 **University of Michigan AI Seminar Series**
Interaction Design Challenges for AI in Medicine
Saint Xavier University, School of Nursing and Health Sciences
The Future of AI in Medicine

Shirley Ryan Learning for Life Seminar Series, Northwestern University
Designing AI for Real World Adoption

HerVoice Podcast

[Navigating STEM: A Discussion with Dr. Maia Jacobs](#)

Summer Research Scholars Program, Northwestern University
Bringing AI to the Bedside with User Centered Design

Interprofessional Education Seminar (CLIN PSYC 526)
Interdisciplinary Research Panel

AAAI-23 Bridge Program: AI Technology and Nursing
The Path Forward for AI in Healthcare: Bridging Technology and Nursing Gaps

AINU Panel
The Path Forward for AI in Healthcare

MS-AI Frameworks for Artificial Intelligence Course
Bringing AI to the Bedside with User Centered Design

- 2022 **Cleveland Clinic Healthcare Delivery & Implementation Science Center Series**
MyPath: Personalized information throughout the breast cancer trajectory
- NU Behavioral and Psychosocial Research Training Program in Cancer Prevention and Control Seminar Series**
Designing Adaptive Digital Health Tools
- Lambert Conference on the Future of Human-Computer Interaction + Design**
ML in Healthcare: What is the future of shared decision-making?
- Human Computer Interaction Consortium, Health & Data Panel**
Bringing AI to the Bedside with User Centered Design
- BIRS workshop on Dynamics and Data Assimilation, Physiology and Bioinformatics: Mathematics at the Interface of Theory and Clinical Application**
User-Centered Design for Antidepressant Prediction Models
- CBITs Digital Mental Health Webinar**
A community partnership approach to digital field trials
- 2021 **Keynote Speaker, ACM Conference on Health, Inference, and Learning (CHIL)**
Bringing AI to the Bedside with User Centered Design
- 2019 **Center for Research on Computation and Society Seminar Series, Harvard University**
How Adaptive Technologies are Changing Chronic Disease Care
- Conscious Harvard Initiative, Harvard University**
Using Qualitative Data Analysis to Identify Issues of Diversity and Inclusion
- Foundations of Biomedical Informatics Course, Harvard Medical School**
Human-Computer Interaction and Design
- Design of Useful and Usable Interactive Systems Course, Harvard University**
Qualitative methods: Data collection and Analysis
- 2018 **Personal Health Informatics Seminar, Northeastern University**
Can Personalized and Adaptive Tools Change Patients' Health Management Behaviors?
- Technology for Equitable & Accessible Medicine Seminar, Harvard University**
Personalized Tools to Support Illness Trajectories

2017	GVU Center Brown Bag Seminar, Georgia Institute of Technology Personalized Mobile Tools to Support Chronic Health Journeys
2016	Workshop on Interactive Systems in Healthcare Lessons Learned From a Yearlong Deployment of Customizable Breast Cancer Tablet Computers

Teaching

Northwestern University

** denotes original course development and first-time instruction.*

2024-5	CS 396/496 Human-AI Interaction Research*
	CS 329 HCI Studio
2023-4	CS 329 HCI Studio
2022-3	CS 496 HCI Methods for Health Research*
	CS 329 HCI Studio
2021-2	CS 396 Interactive Systems for Health Behavior Change*

Georgia Institute of Technology

2015	CS 3750 User Interface Design, Instructor on Record,
2013	CS 3750 User Interface Design, Teaching Assistant

Academic Service

Leadership	2024-2025 Membership Coordinator, Technology and Behavior Change Special Interest Group, Association for Behavioral and Cognitive Therapies (ABCT)
Organizing Committees	Proceedings Co-chair; ACM CSCW 2025 Diversity Co-Chair; IEEE Body Sensor Networks Conference (BSN) 2024
Program Committees	CHI 2025 CSCW 2023 CHI 2023 GROUP 2022 Pervasive Health 2020 CHI 2019 CHI 2017 Late Breaking Work
Internal Service	I.AIM AI Ethics Committee Member 2026 - present CS Faculty Hiring Committee 2024-5 Human-Computer Interaction Consortium (HCIC) Coordinator 2022, 2023 CS+X Lunch Coordinator, 2023-2025 Computer Science NU Presidential Fellowship Selection Committee 2023 TSB PhD Admissions Committee 2022-2023
Reviewing	CHI; TOCHI; CSCW; IMWUT; DIS; JAMA; JAMIA; AMIA; Translational Psychiatry; JMIR

Academic Advising

Student Advising

Postdocs	Sooyeon Jeong, Center for Behavioral Intervention Technologies Fellow, 2022-2023 <i>Now: Assistant Professor, Purdue University</i>
PhD	Monisola Jayeoba, PhD Technology and Social Behavior, 2022-present <i>2024 American Association of University Women (AAUW) International Fellow</i> Mara Ulloa, PhD Computer Science, 2021-present <i>2023 NSF Graduate Research Fellow Recipient</i> Connie Chau, PhD Technology and Social Behavior, 2021-present <i>2025-6 Google Research Fellow</i> <i>2023 Edward A. Bouchet Honor Society Inductee</i> Hannah Studd, PhD Media, Technology, and Society, 2021-2025 Stefany Cruz, PhD Computer Engineering, 2021-2025 <i>Microsoft Research Ada Lovelace Ph.D. Fellow,</i> <i>2025 Northwestern Computer Engineering PhD Thesis Award</i>
M.S.	Niharika Gopinath Menon, Computer Science, Northwestern University (class of 2024) Maya Blumovitz, Computer Science, Northwestern University (class of 2023) Yuanhui Huang, Computer Science, Northwestern University (Class of 2023)
B.S.	Luke Malaisrie, Computer Science, Northwestern University (Class of 2025) Angela Davis, Computer Science, Northwestern University (Class of 2024) Will Finigan, Computer Science, Harvard University (Class of 2021) Jeffrey He, Computer Science, Harvard University (Class of 2020)

Committees

Dissertation Committees	Blaine Rothrock, PhD Computer Science, NU Evey Huang, PhD Technology and Social Behavior, NU Farzad Shahabi, PhD Computer Science, NU Glenn Fernandes PhD Computer Science, NU Ada Ng, PhD Technology and Social Behavior, NU
Qualifier Committees	Evey Huang, PhD Technology and Social Behavior, NU Farzad Shahabi, PhD Computer Science, NU Taewook Kim, PhD Technology and Social Behavior, NU Yinmiao Li, PhD Computer Science and Learning Sciences, NU

Last updated: September 21, 2026