

# Megh Marathe

Media & Information + Bioethics & Social Justice  
Michigan State University

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## EDUCATION

- Ph.D. Information, University of Michigan, 2021
- M.S. Computer Science, University of Toronto, 2009
- B.E. Computer Engineering, *summa cum laude*, University of Mumbai, 2007

## EMPLOYMENT

- 2022– Assistant Professor, Michigan State University
- 2021–22 President’s Postdoctoral Fellow, University of California, Irvine
- 2014–15 Research Fellow, Microsoft Research
- 2012–14 Technical Lead, Aurality Technologies
- 2010–12 Software Engineer, Germinait
- 2009–10 Associate Consultant, Oracle

## GRANTS AND AWARDS

- 2024 MSU LGBTQIA2S+ Advocacy and Action Award
- 2024 MSU Diverse Voices Program Fellow
- 2022-23 MSU Consortium for Sexual and Gender Minority Health Faculty Seed Grant
- 2021 University of California President’s Postdoctoral Fellowship
- 2020 Outstanding PhD Student Award, University of Michigan (UM) School of Information
- 2020 UM Institute for the Humanities Fellowship
- 2019 Microsoft Research Dissertation Grant
- 2019 UM Rackham Public Scholarship Award
- 2019 UM Disability Studies Mini Grant
- 2018 Best Paper Award, ACM CHI Conference on Human Factors in Computing Systems
- 2018 Computing Research Association Grad Cohort Scholar
- 2018 Diversity Research Grant, UM School of Information
- 2016 Grace Hopper Scholarship, Anita Borg Institute

2007 Silver Medal in Computer Engineering, University of Mumbai

## PUBLICATIONS

### Peer-Reviewed Publications

- 2024 **M. Marathe**. Therapeutic value in the time of digital brainwaves. *Social Studies of Science*.
- 2024 A. Hoffman-Peterson, **M. Marathe**, M. Ackerman, W. Barnett, R. Hamasha, A. Kang, K. Sawant, A. Flynn, and J. Platt. Advancing maturity modeling for precision oncology. *Journal of Clinical and Translational Science*.
- 2023 V. Kameswaran, V. Y, **M. Marathe**. Advocacy as access work: How people with visual impairments gain access to digital banking in India. *Proceedings of the ACM on Human-Computer Interaction (PACMHCI)*.
- 2023 E. Ankrah, **M. Marathe**, A. Bhattacharya, A. Ritt Olson, J. Milam, L. Torno, and G. Hayes. Plan for tomorrow: The experience of adolescent and young adult childhood cancer survivors as they transition to adult care. *PACMHCI*.
- 2022 O. Haimson and **M. Marathe**. Uncovering personal histories: A technology-mediated approach to eliciting reflection on identity transitions. *ACM Transactions on Computer-Human Interaction (TOCHI)*.
- 2022 S. Heung, M. Phutane, S. Azenkot, **M. Marathe**,\* and A. Vashistha.\* Nothing micro about it: Examining ableist microaggressions on social media. *ACM Conference on Computers and Accessibility (ASSETS)*.
- \* indicates **equal senior authorship**.
- 2021 **M. Marathe** and K. Toyama. The situated, relational, and evolving nature of epilepsy diagnosis. *PACMHCI*.
- 2021 **M. Marathe**, Y. Yi, C. Su, T. Chang, G. Marcu. Tedious versus taxing: The nature of work in a behavioral health context. *PACMHCI*.
- 2020 **M. Marathe**. Seizure aesthetics: Temporal regimes and medical technology in epilepsy diagnosis. *Time and Society*, 29 (2), 420–443.
- 2020 **M. Marathe** and P. Chandra. Officers never type: Examining the persistence of paper in e-governance. *ACM CHI Conference on Human Factors in Computing Systems (CHI)*.
- 2018 **M. Marathe** and K. Toyama. Semi-automated coding for qualitative research: A user-centered inquiry and initial prototypes. *CHI*. **Best paper award**.
- 2016 **M. Marathe**, J. O’Neill, P. Pain, and W. Thies. ICT-enabled grievance redressal in central India: A comparative analysis. *International Conference on Information and Communication Technologies and Development (ICTD)*.
- 2015 **M. Marathe**, J. O’Neill, P. Pain, and W. Thies. Revisiting CGNet Swara and its impact in rural India. *ICTD*.
- 2010 **M. Marathe** and G. Hirst. Lexical chains using distributional measures of semantic distance. *Computational Linguistics and Intelligent Text Processing (CICLing)*.

### Peer-Reviewed Short Publications

- 2024 **M. Marathe**. Inpatient experiences of long-term monitoring: The case of EEG. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)*.
- 2023 D. Reece and **M. Marathe**. Examining race in healthcare-focused HCI research. *CSCW*.
- 2023 R. Soden, D. Ribes, S. Avle, S. Fox, P. Sengers, S. Paudel, **M. Marathe**. Historicism in/as CSCW method: Research, sensibilities, and design. *CSCW*.
- 2021 A. Moitra, **M. Marathe**, S. I. Ahmed, P. Chandra. Negotiating intersectional non-normative queer identities in India. *CHI*.
- 2016 **M. Marathe**, P. Chandra, V. Kameswaran, T. Kano, S. I. Ahmed. In search of missing pieces: Re-examining trends in ICTD research. *ICTD*.
- 2014 K. D'Silva, **M. Marathe**, A. Vashistha, G. Borriello, and W. Thies. A mobile application for interactive voice forums: Design and pilot deployment in rural India. *ACM Symposium on Computing for Development (ACM DEV)*.

### Editor-Reviewed Publications

- 2024 K. Fernandes, R. Alharbi, C. Sum, V. Kameswaran, F. Spektor, A. Thuppilikkat, A. Petterson, **M. Marathe**, F. Hamidi, and P. Chandra. Organizing for More Just and Inclusive Futures: A Community Discussion. *CSCW*.
- 2023 S. Bødker, S. Fox, N. Lalone, **M. Marathe**, and R. Soden. (Re)Connecting History to the Theory and Praxis of HCI. *TOCHI*.
- 2022 **M. Marathe**. Technology in medical anthropology. *Medical Anthropology Quarterly*.
- 2019 **M. Marathe**. Staging seizure: Chronic contingency in epilepsy diagnosis. *Somatosphere*.

### Selected Peer-Reviewed Conference Presentations

- 2024 D. Shires, H. Boyke, L. Kattari, J. Hirsch, J. Puckett, **M. Marathe**. Who counts? Assessing the impact of using diagnostic codes versus self-report on the representation of transgender and nonbinary health services research. *WPATH 28th Scientific Symposium*.
- 2024 M. Pham and **M. Marathe**. Institutional review boards in neurotechnology research: A critical examination. *Canadian Society for the History and Philosophy of Science*.
- 2023 **M. Marathe**. Navigating unequal healthcare infrastructures: Patient work in epilepsy diagnosis. *Society for the Social Studies of Science (4S)*.
- 2023 **M. Marathe**. Invisibility, inequality, and expertise in epilepsy diagnosis. *International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB)*.
- 2023 A. Hoffman-Peterson, **M. Marathe**, K. Sawant, R. Hamasha, A. Kang, M. Ackerman, A. Flynn, and J. Platt. Advancing maturity modeling for precision oncology. *American Medical Informatics Association (AMIA) 2023 Informatics Summit*.
- 2022 d. elliott, T. Mahfoud, and **M. Marathe**. Cerebral Frictions. Panel organized at 4S.
- 2021 **M. Marathe**. The making of seizure. *Society for Disability Studies*.

- 2021 **M. Marathe.** Big data in medicine: The case of epilepsy. *4S*.
- 2020 **M. Marathe,** R. Derry, K. Toyama, and S. Joshi. Adding nuance to “zero seizures and zero side effects.” *American Epilepsy Society*.
- 2020 **M. Marathe.** Seizure aesthetics: Temporal regimes and medical technology. *4S*.
- 2019 **M. Marathe.** Staging seizure in epilepsy diagnosis. *Society for Disability Studies*.
- 2019 **M. Marathe.** Clock time, aesthetics, and temporal design in epilepsy diagnosis. *4S*.
- 2019 **M. Marathe.** History as point of departure: Chronic contingency in epilepsy diagnosis. Fostering Historical Research workshop at CSCW.
- 2017 **M. Marathe.** Examining the persistence of paper in electronic grievance redress. *Annual Conference on South Asia*.
- 2017 P. Yardi, **M. Marathe,** and K. Toyama. Differences in STEM gender disparity between India and the United States. HCI Across Borders symposium at CHI.

### **Manuscripts in Submission**

- 2024 **M. Marathe.** Differential pace: Technology and inequality in the making of episodic disability. Minor revisions at *Disability Studies Quarterly*.

### **Public Scholarship and Outreach**

- 2021 Was That a Seizure? Talk presented at the New Hope Epilepsy Support Group, Michigan
- 2020 Voices of Epilepsy, a narrative podcast by Megh Marathe, Sue Chong, and Jack Withers

### **INVITED TALKS**

- 2024 Inclusive Sociotechnical Systems: Classification, Inequality, and Expertise  
UC Irvine Informatics Seminar  
UW Human-Centered Design & Engineering Seminar
- 2023 Inclusive Sociotechnical Systems: Classification, Expertise, and Inequality  
University of Toronto Faculty of Information Seminar  
UC Santa Cruz Computational Media Seminar
- 2022 Was That a Seizure? Diagnosis in Lived Experience and Medical Practice  
UC San Diego Science Studies Seminar  
UC Irvine Informatics Seminar
- 2022 Social and Historical Context are Key to Ethical Design  
Invited panelist, UC Irvine Design + Ethics seminar
- 2022 Decision-making in Healthcare: The Case of Neural Implants  
UC Irvine Comprehensive Epilepsy Program  
UC Irvine Movement Disorders Program
- 2021 Was That a Seizure? Diagnosis in Patient Experience and Medical Practice  
UC Irvine Epilepsy Research Center

- 2021 Social Implications of Neural Implants  
Johns Hopkins University
- 2021 Towards Inclusive Healthcare Systems  
Michigan State University  
Pennsylvania State University  
Carnegie Mellon University  
Cornell University  
University of Washington  
University of Pittsburgh  
University of Texas at Austin  
University of Texas Medical Branch at Galveston  
University of Maryland, Baltimore County  
UM Computer Science and Engineering
- 2020 Biomedical Perspectives on Embodied Difference  
Discussant, 4S panel on Critical Medical STS
- 2019 Staging Seizure: Chronic Contingency in Epilepsy Diagnosis  
Eisenberg Institute for Historical Studies, Ann Arbor
- 2015 Revisiting CGNet Swara and its Impact in Rural India  
Microsoft Research, Bangalore
- 2014 Voice-based Citizen Journalism in the Developing World  
United Nations Democracy Fund (UNDEF), New York

## **MEDIA COVERAGE**

- 2024 Patients value extended medical interventions—like EEG tests—beyond their clinical use. MSU Today.
- 2024 Beyond diagnosis: Therapeutic value of extended EEGs for epilepsy patients. MSU ComArtSci Today.
- 2022 Online microaggressions strongly impact disabled users. Cornell Chronicle.
- 2022 Creating Safer Learning Spaces: Ableist Microaggressions in Online Classrooms. Babb.
- 2021 UCI Informatics Makes New Strides in Epilepsy Patient Care. New University.

## **TEACHING EXPERIENCE**

### **Michigan State University**

- Health, Technology & Society (graduate seminar) - Fall 2022, Fall 2023, Fall 2024
- Information & Communication Technologies and Development - Fall 2024
- Disability, Classification, and Technology (guest lecture) - Spring 2022

## **University of Michigan**

Sociotechnical Insights for Clinical Informatics (guest lecture) - Fall 2020

Programming I, II, III (graduate requirement) - Winter 2017, Fall 2017, Fall 2018

Contextual Inquiry and Consulting Foundations (graduate requirement) - Fall 2016

## **University of Toronto**

Introduction to Databases (undergraduate requirement) - Winter 2008, Fall 2008, Winter 2009

Mathematical Expression and Reasoning (undergraduate requirement) - Fall 2007

## **SERVICE**

### **Peer Review**

National Science Foundation, CSCW, CHI, TOCHI, Disability Studies Quarterly, ICTD, International Journal of Medical Informatics

### **Service to Field**

Associate Chair, CHI 2024, Understanding People Subcommittee

Invited Panelist, Trans/Queer in HCI Career Advice Panel, 2023

Associate Chair, DIS 2023, Critical Computing and Design Subcommittee

Guest Editor, TOCHI, Special Issue on History and HCI, 2021–23

Program Committee, Society for Disability Studies Annual Meeting 2021

Associate Chair, CHI 2020, Late Breaking Work

Technology & Logistics Co-Chair, Workgroup on Interactive Systems in Health, AMIA 2020

Registration Chair, ICTD 2019

Regular Contributor, Somatosphere

### **Departmental/University Service**

Annual Review Committee, MSU Department of Media & Information, 2023–25

Global Gender and Sexuality Seminar, MSU Gender Center and Office of International Studies, 2023

Ethics Seminar, MSU Psychiatry Residency Program, 2022

Diversity, Equity & Inclusion committee, UM School of Information, 2020–21

Doctoral Program Committee, UM School of Information, 2019–20

Doctoral Student Organization, UM School of Information, 2015–17, 2019–21

Steering Committee, UM Science, Technology & Society (STS) Program, 2018–20

Organizing Committee, UM STS Annual Symposium, 2019

Coordinator, UM STS Interdisciplinary Graduate Workshop, 2019–20

OutFormation (queer student organization), UM School of Information, 2017–20