

## Research Summary

My research interest sits broadly at the intersection of Human-Computer Interaction (HCI), Computer-Supported Cooperative Work (CSCW), and Accessible Computing, with a focus on enhancing accessibility in collaboration, creativity, and learning. Methodologically, I take a community-centered research approach that involves in-depth formative studies (e.g., interviews, contextual inquiry, and ethnographic fieldwork) followed by the iterative design, development, and evaluation of new accessible systems and interaction techniques. As a researcher and educator, my broader goal is to cultivate a culture of access and inclusion in computing and contribute towards reducing equity gaps in education, employment, and creative work.

## Appointment

### Northeastern University, Boston, MA, USA

*Assistant Professor* Jan 2024 – Present  
Khoury College of Computer Sciences (75%)  
Department of Art + Design (25%), College of Arts, Media and Design (CAMD)

## Education

**PhD in Technology and Social Behavior** 2022  
(Dual degree in Computer Science & Communication)  
Northwestern University, Evanston, IL, USA  
*Dissertation:* Designing for Accessible Collaborative Content Creation in Ability-Diverse Teams  
*Committee:* Darren Gergle (chair), Anne Marie Piper (co-chair), Marcelo Worsley, and Cynthia Bennett

**MS in Technology and Social Behavior** 2021  
Northwestern University, Evanston, IL, USA

**BSc in Computer Science and Engineering (CSE) with Honors** 2015  
Bangladesh University of Engineering and Technology (BUET)  
*Thesis:* Protecting Genomic Privacy in Medical Tests using Distributed Storage

## Professional Experience

- **Northeastern University, Boston, MA**  
Sr. Research Fellow | Khoury College of Computer Sciences Sep 2023 – Dec 2023  
Visiting Assistant Professor | Khoury College of Computer Sciences Oct 2022 – Aug 2023
- **University of Washington, Seattle, WA** | Postdoctoral Scholar Sep 2022 – Aug 2023  
Paul G. Allen School of Computer Science and Engineering and  
Center for Research & Education on Accessible Technology & Experiences (CREATE)
- **Northwestern University, IL** | Graduate Research Assistant Sep 2017 – Aug 2022
- **Microsoft Research, WA** | Research Intern, Ability Team Summer 2020
- **United International University, Bangladesh** | Lecturer, Dept. of CSE Oct 2015 – Mar 2017

## Grants

- *Google Research Scholar Award* (sole PI: \$60,000) 2024

- *Khoury Research Apprenticeship, Northeastern (PI)* Spring 2024, Fall 2024, Spring 2025  
Support for three MS research assistants in three semesters
- *Postdoc Research Award* (sole PI: \$10,000) 2022–2023  
Paul G. Allen School of Computer Science & Engineering, University of Washington
- *Graduate Research Grant* (\$2,999) 2021–2022  
School of Communication, Northwestern University
- *Dissertation Research Grant* (\$1,500) 2021  
Department of Communication Studies, Northwestern University

## Awards and Honors

- 
- *Communications of the ACM Research Highlights (CACM-RH) [P8]* 2022  
From [ACM's website](#): “With a readership of over 100,000 from over 100 countries, publication in CACM-RH provides unmatched visibility and is regarded as a significant honor.”
  - *Advanced Rehabilitation Research and Training (ARRT) Postdoctoral Fellowship* 2022–2023  
UW Center for Research & Education on Accessible Technology & Experiences | Funding: NIDILRR
  - *Donald H. and Carolyn E. Ecroyd Fellowship* 2022  
Department of Communication Studies, Northwestern University
  - *Rising Star in Electrical Engineering and Computer Science (EECS)* 2021
  - *Best Paper Award [P9]* 2021  
ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW)
  - *Recognition for Contribution to Diversity & Inclusion [P9]* 2021  
ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW)
  - *Best Paper Nomination [P8] | ACM Conference of Computers & Accessibility (ASSETS)* 2021
  - *PhD Student Research Award | Dept. of Computer Science, Northwestern University* 2021
  - *Best Paper Honorable Mention Award [P6]* 2020  
ACM Conference on Human Factors in Computing Systems (CHI)
  - *Finalist (among top 20 students) | Microsoft Research PhD Fellowship* 2020
  - *Best Paper Honorable Mention Award [P5]* 2019  
ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW)
  - *Best Paper Award [P1]* 2018  
IEEE International Conference on Computers, Software, & Applications (COMPSAC)
  - *Student Scholarship | Grace Hopper Celebration USA* 2018
  - *Best Undergraduate Thesis Award | Dept. of CSE, Bangladesh U of Engg. & Tech* 2015
  - *Student Scholarship | Grace Hopper Celebration India* 2014
  - *Best Technical Poster [S1] | Grace Hopper Celebration India* 2014
  - *Dean's List Award | Bangladesh University of Engineering & Tech* 2011–2015
  - *University Merit Scholarship | Bangladesh University of Engineering & Tech* 2011–2014

## Peer-Reviewed Publications

---

[Top-tier venues in Human-Computer Interaction include extensively peer-reviewed conferences such as CHI and CSCW. These highly selective conferences are intended for archival papers and comparable to journals in visibility, selectivity, and impact. Doctoral advisees are underlined and other directly mentored students are marked with a \*.]

- P19. Rudaiba Adnin, Atharva Pandkar, Bingsheng Yao, Dakuo Wang, **Maitraye Das**. 2025. Examining Student and Teacher Perspectives on Undisclosed Use of Generative AI in Academic Work. To appear in *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '25)*.
- P18. **Maitraye Das**, Megan Tran\*, Amanda Ong\*, Julie Kientz, and Heather Feldner. 2025. Cultivating Computational Thinking and Social Play Among Neurodiverse Preschoolers in Inclusive Classrooms. To appear in *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '25)*.
- P17. Aaleyah Lewis\*, Jesse J Martinez, **Maitraye Das**, James Fogarty. 2025. Inaccessible and Deceptive: Examining Experiences of Deceptive Design with People Who Use Visual Accessibility Technology. To appear in *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '25)*.
- P16. Rudaiba Adnin and **Maitraye Das**. 2024. "I look at it as the king of knowledge": How Blind People Use and Understand Generative AI Tools. In *Proceedings of the International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '24)*, 14 pages. [acceptance rate: 30%]
- P15. **Maitraye Das**, Abigale Stangl, and Leah Findlater. 2024. "That comes with a huge career cost": Understanding Collaborative Ideation Experiences of Disabled Professionals. In *Proceedings of the ACM on Human-Computer Interaction*, 8, CSCW1, 28 pages. [Impact Factor (2023): 4.06]
- P14. **Maitraye Das**, Alexander J. Fiannaca, Meredith Ringel Morris, Shaun Kane, and Cynthia L. Bennett. 2024. From Provenance to Aberrations: Image Creator and Screen Reader User Perspectives on Alt Text for AI-Generated Images. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '24)*, 21 pages. [acceptance rate: 26.3%]
- P13. Kiley Sobel, **Maitraye Das**, Sara Behbakht, and Julie Kientz. 2024. Incloodle-Classroom: Technology for Inclusive Joint Media Engagement in a Neurodiverse Kindergarten Classroom. In *Transactions of Computer-Human Interaction (TOCHI)*, 45 pages. [Impact Factor (2023): 4.8]
- P12. **Maitraye Das**, Darren Gergle, Anne Marie Piper. 2023. Symphony: Enhancing Accessible Pattern Design Practices among Blind Weavers. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '23)*, 19 pages. [acceptance rate: 28.39%]
- P11. **Maitraye Das**, Thomas McHugh\*, Anne Marie Piper, and Darren Gergle. 2022. Co11ab: Augmenting Accessibility in Synchronous Collaborative Writing for People with Vision Impairments. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '22)*, 18 pages. [first-round acceptance rate: 12.5%]
- P10. **Maitraye Das**, Anne Marie Piper, and Darren Gergle. 2022. Design and Evaluation of Accessible Collaborative Writing Techniques for People with Vision Impairments. In *ACM Transactions on Computer-Human Interaction (TOCHI)*, Vol. 29, 2, 42 pages. [Impact Factor (2023): 4.8]
- 🏆 P9. **Maitraye Das**, John Tang, Kathryn E. Ringland, and Anne Marie Piper. 2021. Towards Accessible Remote Work: Understanding Work-from-Home Practices of Neurodivergent Professionals. In *Proceedings of the ACM on Human-Computer Interaction*, Vol. 5, CSCW1, 30 pages. [Impact Factor (2023): 4.06]. **Best Paper Award** (top 1%)
- Recognition for Contribution to Diversity & Inclusion**

- 🏆P8. Kelly Avery Mack, **Maitraye Das**, Dhruv Jain, Danielle Bragg, John Tang, Andrew Begel, Erin Beneteau, Josh Urban Davis, Abraham Glasser, Joon Sung Park, and Venkatesh Potluri. 2021. Mixed Abilities and Varied Experiences: A Group Autoethnography of a Virtual Summer Internship. In *Proceedings of the ACM Conference on Computers & Accessibility (ASSETS '21)*, 13 pages. [acceptance rate: 29%]  
**Best Paper Nomination; Invited article in Communications of the ACM Research Highlights**
- P7. Katya Borgos-Rodriguez, **Maitraye Das**, and Anne Marie Piper. 2021. Melodie: A Design Inquiry into Accessible Crafting through Audio-Enhanced Weaving. In *ACM Transactions on Accessible Computing (TACCESS)*, Vol. 14, 1, 30 pages. [Impact Factor (2023): 2.5]
- 🏆P6. **Maitraye Das**, Katya Borgos-Rodriguez, and Anne Marie Piper. 2020. Weaving by Touch: A Case Analysis of Accessible Making. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '20)*, 15 pages. [acceptance rate: 24.3%]  
**Best Paper Honorable Mention** (Top 5% of submissions)
- 🏆P5. **Maitraye Das**, Darren Gergle, and Anne Marie Piper. 2019. “It doesn’t win you friends”: Understanding Accessibility in Collaborative Writing for People with Vision Impairments. In *Proceedings of the ACM on Human-Computer Interaction*, Vol. 3, CSCW, 26 pages. [Impact Factor (2023): 4.06]  
**Best Paper Honorable Mention** (Top 5% of submissions)
- P4. **Maitraye Das**, Brent Hecht, and Darren Gergle. 2019. The Gendered Geography of Contributions to OpenStreetMap: Complexities in Self-Focus Bias. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '19)*, 14 pages. [acceptance rate: 23.8%]
- P3. Nusrat Jahan Mazumder\*, **Maitraye Das**, Tanzima Hashem, Sharmin Afrose, and Khandaker Ashrafi Akbar\*. 2019. Towards Privacy-preserving Authenticated Disease Risk Queries. In *Journal of Information Processing*, Vol. 27 (September 2019), 18 pages. [Impact Factor (2023): 0.47]
- P2. Moushumi Sharmin, Monsur Hossain, Abir Saha, **Maitraye Das**, Margot Maxwell, and Shameem Ahmed. 2018. From Research to Practice: Informing the Design of Autism Support Smart Technology. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '18)*, 16 pages. [acceptance rate: 25%]
- 🏆P1. **Maitraye Das**, Nusrat Jahan Mazumder\*, Sharmin Afrose, Khandaker Ashrafi Akbar\*, and Tanzima Hashem. 2018. A Novel Secret Sharing Approach for Privacy-Preserving Authenticated Disease Risk Queries in Genomic Databases. In *Proceedings of the 42<sup>nd</sup> IEEE International Conference on Computers, Software, & Applications (COMPSAC '18)*, 10 pages. [acceptance rate: 24%]  
**Best Paper Award**

## Book Chapter

- B1. **Maitraye Das**, Katya Borgos-Rodriguez, and Anne Marie Piper. 2023. A Case Study of Skilled Craftwork among Blind Fiber Artists. In Elizabeth Guffey ed. *After Universal Design: The Disability Design Revolution*. Bloomsbury.

## Workshops Co-organized

- W2. Cynthia Bennett, **Maitraye Das**, Michael Madaio, Abigale Stangl. 2023. Intro to Popular Generative AI Tools: Opportunities and Challenges for Accessibility. In *Accessible Technology Conference hosted by the New York Public Library*.

- W1. Maryam Bandukda, Giulia Barbareschi, Aneesha Singh, Dhruv Jain, **Maitraye Das**, Tamanna Motahar, Jason Wiese, Lynn Cockburn, Amit Prakash, David Frohlich, Catherine Holloway. 2022. A Workshop on Disability Inclusive Remote Co-Design. In *Proceedings of the ACM Conference on Computers & Accessibility (ASSETS '22)*.

## Magazine Articles

---

- M2. Kelly Avery Mack, **Maitraye Das**, Dhruv Jain, Danielle Bragg, John Tang, Andrew Begel, Erin Beneteau, Josh Urban Davis, Abraham Glasser, Joon Sung Park, and Venkatesh Potluri. 2023. Mixed Abilities and Varied Experiences: A Group Autoethnography of a Virtual Summer Internship. In *Communications of the ACM* 66, 8 (August 2023).
- M1. Maria Hamdani, Najma Farrukh Hamdani, **Maitraye Das**. 2023. How to Enhance Productivity of Your Employees with ADHD in the Virtual Workplace. In *MIT Sloan Management Review*.

## Archival Short Papers

---

- S6. **Maitraye Das**. 2020. Designing for Collaborative Content Creation for People with Vision Impairments. In the *Conference Companion Publication on Computer Supported Cooperative Work & Social Computing (CSCW '20)*. [Doctoral Consortium]
- S5. **Maitraye Das**. 2018. Understanding Collaborative Writing Practices of People with Visual Impairments. In the *ACM International Conference on Pervasive & Ubiquitous Computing (UbiComp '18)*.
- S4. Abir Saha and **Maitraye Das**. 2017. Impact of Social Networking on Post-Partum Depression in Women: An Analysis in the Context of Bangladesh. In *Proceedings of the 20<sup>th</sup> IEEE International Conference on Computer & Information Technology (ICCIT '17)*.
- S3. **Maitraye Das** and Abir Saha. 2017. An Automated Speech-Language Therapy Tool with Interactive Virtual Agent and Peer-to-Peer Feedback. In *Proceedings of the 4<sup>th</sup> International Conference on Advances in Electrical Engineering (ICAEE '17)*.
- S2. Fatema Khan\*, **Maitraye Das**, and Ahiya Ahammed\*. 2016. PurpleAid: An mHealth Platform to Combat Health Hazards of Women. In *Proceedings of the 2016 International Conference on Medical Engineering, Health Informatics & Technology (MediTec '16)*.
- S1. **Maitraye Das**, Sunandita Sarker, and Syeda Lammim Ahad. 2016. A Novel Health Support System with Biometric Data Acquisition Device. In *Proceedings of the 19<sup>th</sup> International Conference on Computer & Information Technology (ICCIT '16)*.

## Non-Archival Short Papers, Posters, and Presentations

---

- nS11. **Maitraye Das**. 2024. From Practice to Perception: How Blind People Use and Understand Generative AI. In *American Foundation for the Blind Leadership Conference 2024*.
- nS10. **Maitraye Das**. 2021. Augmenting Ability-Diverse Collaboration. In *EECS Rising Stars Workshop*.
- nS9. **Maitraye Das**. 2021. Designing for Accessible Collaborative Content Creation for People with Vision Impairments. In *Human-Computer Interaction Consortium (HCIC '21)*.
- nS8. **Maitraye Das**. 2021. Rethinking Power and Politics in Care Work within Ability-Diverse Maker Communities. In the *Workshop on The Future of Care Work at the ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW '21)*.

- nS7. **Maitraye Das**, Katya Borgos-Rodriguez, and Anne Marie Piper. 2020. Rethinking Power and Politics in Accessible Making. In the *Workshop on Investigating the Role of Critical Disability Studies in HCI at the ACM Conference on Human Factors in Computing Systems (CHI '20)*.
- nS6. **Maitraye Das**. 2019. Who Can See What: Privacy and Audience Management for People with Vision Impairments on Social Media. In the *Workshop on Accessibility of Social Media at the ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW '19)*.
- nS5. **Maitraye Das**. 2019. Designing for Collaborative Content Creation for People with Vision Impairments. *Microsoft Research PhD Fellowship Finalist Presentation*, Redmond, WA, USA.
- nS4. **Maitraye Das**. 2018. Towards Understanding the Effects of Social Networking on Postpartum Depression in Women. *Grace Hopper Celebration (GHC)*, USA.
- nS3. Fatema Khan\* and **Maitraye Das**. 2016. SafeTeens: Supporting Parental Monitoring of Children's Internet Activities. In *ACM Student Research Competition, Grace Hopper Celebration (GHC)*, USA.
- nS2. **Maitraye Das**, Sharmin Afrose, and Tanzima Hashem. 2015. Protecting Genomic Privacy in Medical Tests using Distributed Storage. *Grace Hopper Celebration (GHC)*, USA.
- 🏆 nS1. **Maitraye Das**, Sunandita Sarker, and Shahina Ferdous. 2014. SpeechAid: A Self-treatment System for Individuals with Speech Disorder. *Grace Hopper Celebration India (GHCI)*.  
**Best Technical Poster Award**

## Teaching and Course Design

### Northeastern University

- CS 7390 – Special Topics in Human-Centered Computing | Khoury College of CS Fall '24  
Developed and taught a grad level course on Accessible Computing for 4 credit hours.  
(9 PhD students; 1 TA)
- ARTG 6600 – Experience Design Studio 2 | Dept of Art + Design Spring '24, Spring '25  
Developed and taught a grad level course on Design and Disability for 4 credit hours.  
Spring '24: 10 MS students. Spring '25: 9 MS students

### University of Washington

- HCDE 596 - Directed Research Group | Human-Centered Design & Engineering Spring '23, Fall '23  
Mentored 6 students in research activities. Led with Julie Kientz

### Northwestern University

- *COMP\_SCI 314/COMM\_ST 351 – Technology & Human Interaction* (56 students) Winter '22  
Teaching assistant with Darren Gergle | Dept. of Computer Science / Communication Studies

### United International University (UIU), Dhaka, Bangladesh

Oct '15 - Mar '17

Lecturer/Instructor | Department of Computer Science & Engineering (CSE)

- CSE 313 – Computer Architecture | Fall '15: 29 students
- CSE 225 – Digital Logic Design  
Fall '15: 27 students; Summer '16: 26 students; Fall '16: 54 students in two classes
- CSE 226 – Digital Logic Design Laboratory  
Fall '15: 77 students in three classes; Spring '16: 29 students  
Summer '16: 49 students in two classes; Fall '16: 40 students in two classes

- CSE 236 – Assembly Programming Laboratory  
Spring '16: 15 students; Summer '16: 29 students
- CSE 113 – Electrical Circuits  
Spring '16: 67 students in two classes; Summer '16: 18 students; Fall '16: 31 students

## Invited Talks, Panels, Guest Lectures, and Demonstrations

**Talk:** Enhancing accessibility in collaboration, creativity, and learning Jul 2025  
 ▪ AccessComputing, University of Washington | Invited by Brianna Blaser

**Panel:** *Disability and Design Futures* | Center for Design, Northeastern University Mar 2024  
 ▪ Hosted by *Sara Hendren* | Other panelists: Meryl Alper and Laura Forlano ([link](#))

**Guest Lecture:** *Designing Accessible Technologies for Collaborative Content Creation*  
 ▪ Course: Computer/Human Interaction | Northeastern, CS | Invited by *Herman Saksono* Mar 2024  
 ▪ Course: Engineering for Disability | Northeastern, MIE | Invited by *Megan Hofmann* Mar 2024  
 ▪ Course: Intro to Accessibility | U Michigan School of Information | Invited by *Robin Brewer* Oct 2023

**Demo:** *Cultivating Computational Thinking among Neurodiverse Preschoolers*  
 ▪ University of Washington | Spring Research Showcase by CREATE Jun 2023  
 ▪ University of Washington | ARRT External Advisory Board Meeting Jun 2023

**Talk:** *Designing for Accessible Collaborative Content Creation in Ability-Diverse Teams*  
 ▪ CMU HCI Institute | A11y Lunch | Invited by BigLab (director: *Jeffrey Bigham*) Mar 2023  
 ▪ University of Washington | Makeability Lab | Invited by *Jon Froehlich* Dec 2022  
 ▪ University of Washington | DUB seminar | Invited by *James Fogarty* Nov 2022  
 ▪ University of Illinois Urbana-Champaign | Department of Computer Science Apr 2022  
 ▪ Pennsylvania State University | College of Information Sciences & Technology Mar 2022  
 ▪ Virginia Tech | Department of Computer Science Mar 2022  
 ▪ University of Utah | School of Computing Mar 2022  
 ▪ Johns Hopkins University | Department of Computer Science Mar 2022  
 ▪ Indiana University Bloomington | Luddy School of Informatics, Computing, & Engg. Mar 2022  
 ▪ Northeastern University | Khoury College of Computer Sciences Feb 2022  
 ▪ Georgia Institute of Technology | Department of Interactive Computing Feb 2022  
 ▪ Ohio State University | Department of Computer Science & Engineering Feb 2022  
 ▪ Arizona State University | School of Computing & Augmented Intelligence Feb 2022  
 ▪ George Mason University | Department of Computer Science Feb 2022  
 ▪ New Jersey Institute of Technology | Department of Informatics Feb 2022  
 ▪ MIT CSAIL | Visualization Group | Invited by *Arvind Satyanarayanan* Dec 2021  
 ▪ University of Washington | CREATE Oct 2021

**Talk:** *Understanding Accessibility in Collaborative Writing for People with Vision Impairments*  
 ▪ Microsoft Office and Windows Accessibility Teams Feb 2021

**Guest Lecture:** *Understanding Accessibility in Collaborative Writing*  
 ▪ Input & Interaction Course | U of Washington iSchool | Invited by *Annuska Zolyomi* Nov 2020

**Talk:** *Understanding Accessibility in Remote Work for Neurodivergent Professionals*  
 ▪ New Future of Work Group | Microsoft Sep 2020

**Talk:** *Designing for Accessible Interaction*  
 ▪ Bangladesh HCI and ICTD Study and Research Group | Invited by *Syed Ishtiaque Ahmed* Apr 2020

## **Demo: Technologies for Accessible Collaborative Writing and Weaving**

- TSB Prospective PhD Students Visiting Weekend | Northwestern University 2022, 2019

## **Professional Service**

---

### *Organizing Committee Member*

- ACM ASSETS (Conference on Computers & Accessibility) | Doctoral Consortium Co-Chair 2025
- ACM ASSETS | Accessibility Co-Chair 2024

### *Program Committee Member*

- ACM CHI | Associate Chair, Accessibility and Aging Subcommittee 2025
- ACM CHI | Associate Chair, Learning, Education, and Families Subcommittee 2024
- ACM CHI | Associate Chair, Understanding People: Qual Methods Subcommittee 2023
- ACM ASSETS 2022, 2023, 2025
- ACM COMPASS (Conference on Computing & Sustainable Societies) 2021
- Grace Hopper Celebration, HCI Track 2021

### *Reviewer: Grant proposals*

- National Science Foundation (NSF), Panelist (x2) 2024, 2025

### *Reviewer: Conferences*

- ACM CHI [\*outstanding review recognitions: 7] 2021 – Present
- ACM CSCW [\*outstanding review recognitions: 2] 2019 – 2021, 2023
- ACM DIS [\*outstanding review recognition: 1] 2020, 2022
- ACM UIST (Symposium on User Interface Software & Technology) 2022
- IEEE COMPSAC (International Conference on Computers, Software, & Applications) 2021
- Grace Hopper Celebration 2017
- Australasian Database Conference 2016

### *Reviewer: Journals*

- ACM TACCESS (Transactions on Accessible Computing) 2021, 2024
- ACM TOCHI (Transactions of Computer-Human Interaction) 2023
- Springer CSCW (Computer Supported Cooperative Work) 2022

### *Student Volunteer*

- ACM CHI 2019, 2021
- ACM CSCW 2019
- ACM UbiComp (International Conference on Pervasive & Ubiquitous Computing) 2018

## **University Service**

---

### *At Northeastern University*

- Member | Khoury ADA committee (teaching subcommittee) 2025
- Organizer | Panel: The future of HCC at Northeastern and beyond March 2025
- Member | Khoury PhD admission committee 2024 – 2025
- Reviewer | Computer Science PhD admission, Khoury 2023 – Present
- Reviewer | Interdisciplinary Design and Media PhD admission, CAMD 2023 – Present
- Reviewer | Tier 1 grant proposals, Khoury 2024

### *At University of Washington*

- Reviewer | CREATE research proposals on race, technology, and disability 2023
- Judge | HCDE graduate capstone showcase 2023



Co-organizer   CREATE Holiday Party	2022
Judge   CSE 440 – Intro to HCI course poster showcase	2022

#### *At Northwestern University*

Panelist   TSB Prospective PhD Students Visiting Weekend	2018, 2021
Publicity Co-chair and Planning Committee Member   InfoSocial Graduate Conference	2019
Student volunteer   InfoSocial Graduate Conference	2018

## **Advising**

### *Doctoral Advising:*

▪ Mingyi Li   PhD student, CS Northeastern	Sep 2024 – Present
▪ Qiushi Liang   PhD student, CS, Northeastern	Mar 2024 – Present
▪ Rudaiba Adnin   PhD student, CS, Northeastern	Mar 2023 – Present
Coauthored papers: [P16, P19]	

### *Additional Graduate Research Advising and Mentoring:*

▪ Lahari Boni   MS student, CS, Northeastern (Khoury Apprenticeship)	Jan 2025 – Present
▪ Vinayaka Hosahalli Kotrappa   MS student, CS, Northeastern	Jun – Dec 2024
▪ Pranali Pravin Chipkar   MS student, CoE, Northeastern	Jun – Dec 2024
▪ Huiru Yang   MS student, CS, Northeastern (Khoury Apprenticeship)	Jan – Dec 2024
Huiru, Nihar, and Qiuying's project on accessible whiteboarding received the first prize in the Papers2Products hackathon as the overall product and the most interdisciplinary entry (\$3,500 total)	
▪ Nihar Sanda   MS student, CS, Northeastern (selected for Khoury Apprenticeship)	Jan – Dec 2024
▪ Qiuying Zhuo   MS Student, CS Northeastern	Feb – Apr 2024
▪ Liyi (Shelley) Xu   MS student, METALS, CMU	Jun – Aug 2024
▪ Ruiqi (Richard) Chen   MS student, HCDE, UW	May – Aug 2024
▪ Aaleyah Lewis   PhD student, CSE, UW   Coauthored paper: [P17]	Oct 2022 – Sep 2023
▪ Bonnie Liu   MS student, HCDE, UW	Jun – Dec 2023
▪ Katrina Vergara   MS student, HCDE, UW	Jun – Aug 2023
▪ Patricia Ho   MS student, HCDE, UW	Apr – Jun 2023
▪ Ke Luka Liu   MS student, HCDE, UW	Apr – Jun 2023
▪ Ganesh Karthik Sankar   MS student, HCDE, UW	Jan – Mar 2022
▪ Evan Li   MS student, Mechanical Engineering, Northwestern	2020

### *Undergraduate and Highschooler Research Advising and Mentoring:*

▪ Ayan Makode   Undergrad, Game Design and Music, Northeastern	Feb 2025 – Present
▪ Sydney McCarter   Undergrad, CS and Design, Northeastern	Feb – Apr 2025
Design Degree project on aesthetics and accessibility in design	
▪ Megan Tran   Undergrad, Informatics, UW   Coauthored paper: [P18]	Jun 2023 – Apr 2024
▪ Amanda Ong   Undergrad, Interaction Design, UW   Coauthored paper: [P18]	Jun 2023 – Apr 2024
▪ Thomas McHugh   Undergrad, Learning Sciences, Northwestern	2020 – 2021
Coauthored paper: [P11]. Own the first place at the ACM Student Research Competition (SRC) at ASSETS 2020 and SRC Grand Finals 2021. Next position: Software engineer, Apple.	
▪ Rawan Mohamed   Undergrad, CS, Northwestern	2020
▪ Caroline Brewley   High school student researcher	2019
▪ Nusrat Jahan Mazumder   Undergrad, CSE, Bangladesh U of Engg. & Tech	2017–2018
Coauthored papers: [P1, P3]. Next position: PhD student, University of Virginia.	
▪ Khandaker Ashrafi Akbar   Undergrad, CSE, Bangladesh U of Engg. & Tech	2017–2018

- Coauthored papers: [P1, P3]. Next position: PhD student, University of Texas at Dallas.
- Fatema Khan | Undergrad, CSE, United International University 2016  
Coauthored papers: [S2, nS3]. Next position: Lecturer, Prime Asia University, Bangladesh.
- Ahiya Ahammed | Undergrad, CSE, United International University 2016  
Coauthored paper: [S2]. Next position: PhD student, University of Debrecen, Hungary.

## Outreach & Memberships

*Institutional Partner (Northeastern) | AccessComputing Alliance* 2024 – Present

*Mentor | #HackDisability: AI for Accessibility hosted by Perkins School for the Blind and MIT* 2024

*Co-host & Co-organizer | Inspiring Stories (podcast series on Bangladeshi women in STEM)* 2020 – 2021

### Member

Association for Computing Machinery (ACM) 2017 – Present

Special Interest Group on Computer-Human Interaction (SIGCHI) 2017 – Present

Special Interest Group on Accessible Computing (SIGACCESS) 2017 – Present

Northwestern Graduate Women in Computing 2019 – 2021

Bangladeshi Women in Computer Science & Engineering 2015 – 2019

### Code Coach Volunteer

BraveCamp Chicago, Brave Initiatives (non-profit coding camp for high school girls) Summer 2018

*Vice-President | Murchhona: BUET (cultural club)* 2014 – 2015

## Press

- Maitraye Das earns Google research award for designing tech for blind and low-vision people.  
Khoury News Aug 2024
- Disability and Design Futures: Interdisciplinary Perspectives on Design for Access.  
Center for Design @Northeastern Sep 2024