

Maitraye Das

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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 & Magna cum laude*

2015

Bangladesh University of Engineering and Technology (BUET)

Thesis: Protecting Genomic Privacy in Medical Tests using Distributed Storage | *Advisor:* Tanzima Hashem

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* (sole 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

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- *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 *.]

- 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: 4.062]
- 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: 6.3]
- 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: 6.3]
- 🏆 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: 4.062]
Best Paper Award (top 1% of submissions)
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: 3.032]

- 🏆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: 4.062]
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.
- 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 42nd 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 20th 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 4th 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 19th 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

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
- Designed a course on accessible collaboration | Supervised by Darren Gergle

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

- 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 Froeblich* 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 (Conference on Computers & Accessibility) | 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
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
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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

Committee 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 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 (co-advised w/ Saiph Savage)	Mar 2024 – Present
▪ Rudaiba Adnin PhD student, CS, Northeastern	Mar 2023 – Present

Coauthored paper: [P16]

Additional Graduate Research Advising and Mentoring:

- Vinayaka Hosahalli Kotrappa | MS student, CS, Northeastern Jun 2024 – Present
- Pranali Pravin Chipkar | MS student, CoE, Northeastern Jun 2024 – Present
- Huiru Yang | MS student, CS, Northeastern (Khoury Apprenticeship) Jan 2024 – Present
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 (Khoury Apprenticeship) Jan 2024 – Present
- 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 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:

- Megan Tran | Undergrad, Informatics, UW Jun 2023 – Apr 2024
- Amanda Ong | Undergrad, Interaction Design, UW 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