

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 & Teaching 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
- *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](#). † denotes doctoral advisees and * denotes other directly mentored students.]

- 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: 3.4]
- 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. Incloudle-Classroom: Technology for Inclusive Joint Media Engagement in a Neurodiverse Kindergarten Classroom. In *Transactions of Computer-Human Interaction (TOCHI)*, 45 pages. [Impact Factor: 3.7]
- 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: 3.7]
- 🏆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: 3.4]
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: 2.4]

- 🏆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: 3.4]
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 and Doctoral Consortium

- 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

- 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 Addressing the 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

Papers Under Review or In Preparation

- Pr2. Aaleyah Lewis*, Jesse Martinez, **Maitraye Das**, and James Fogarty. Paper on accessibility for people who use visual assistance technologies. *In preparation*.
- Pr1. **Maitraye Das**, Megan Tran*, Amanda Ong*, Julie Kientz, Heather Feldner. Paper on social play among neurodiverse children. *In preparation*.

Teaching and Course Design

Northeastern University

- CS 7390 – Special Topics in Human-Centered Computing | Khoury College of CS Fall 2024
Developing and teaching a grad level course on Accessibility Computing for 4 credit hours
(16 students; 1 TA)
- ARTG 6600 – Experience Design Studio 2 | Dept of Art + Design Spring 2024
Developed and taught a grad level course on Design for Accessibility for 4 credit hours (10 students)

University of Washington

- HCDE 596 - Directed Research Group | Human-Centered Design & Engineering Spring – Fall 2023
Mentored 6 students in research activities. Lead with Julie Kientz

Northwestern University

- *COMP_SCI 314/COMM_ST 351 – Technology & Human Interaction* (56 students) Winter 2022
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 2015 - Mar 2017

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

- CSE 313 – Computer Architecture | Fall 2015: 29 students
- CSE 225 – Digital Logic Design
Fall 2015: 27 students; Summer 2016: 26 students; Fall 2016: 54 students in two classes
- CSE 226 – Digital Logic Design Laboratory
Fall 2015: 77 students in three classes; Spring 2016: 29 students
Summer 2016: 49 students in two classes; Fall 2016: 40 students in two classes
- CSE 236 – Assembly Programming Laboratory | Spring 2016: 15 students; Summer 2016: 29 students

- CSE 113 – Electrical Circuits
Spring 2016: 67 students in two classes; Summer 2016: 18 students; Fall 2016: 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 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 Isbtiaque 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) | Accessibility Co-Chair 2024

Program Committee Member

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: Conferences

ACM CHI [*outstanding review recognitions: 6] 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

Reviewer | Computer Science PhD admission, Khoury 2024, 2023

Reviewer | Interdisciplinary Design and Media PhD admission, CAMD 2024, 2023

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 –
- 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:

- Ruiqi (Richard) Chen | MS student, HCDE, UW May 2024 – Present
- Liyi (Shelley) Xu | MS student, METALS, CMU Jun 2024 – Present
- Vinayaka Hosahalli Kotrappa | CS, Northeastern Jun 2024 – Present
- Pranali Pravin Chipkar | CS, Northeastern Jun 2024 – Present
- Huiru Yang | MS student, CS, Northeastern (Khoury Apprenticeship) Jan 2024 – Present
- Nihar Sanda | MS student, CS, Northeastern (Khoury Apprenticeship) Jan 2024 – Present
- Qiuying Zhuo | MS Student, CS Northeastern Feb – Apr 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)
- Aaleyah Lewis | PhD student, CSE, UW | Coauthored paper: [Pr2] 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 | Coauthored paper: [Pr1] Jun 2023 – Apr 2024
- Amanda Ong | Undergrad, Interaction Design, UW | Coauthored paper: [Pr1] 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
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<i>Vice-President</i> Murchhona: BUET (cultural club)	2014 – 2015
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