Mohammad Rashidujjaman Rifat

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Education

- **University of Toronto**

    Ph.D. in Computer Science, September 2017 - .

    – Supervisor: Syed Ishtiaque Ahmed

    – Collaborative Doctoral Specialization: Asian Studies (From the Munk School of Global Affairs and Public Policy at The University of Toronto)

- **Bangladesh University of Engineering and Technology (BUET)**

    Bachelor of Science in Computer Science and Engineering, 2014.

    – Thesis : $k-Dense\ POI\ Search\ in\ Road\ Networks$.

Awards & Honors

- Schwartz Reisman Institute Graduate Fellowship, 2022 - 2023.

- Travel grant awards to attend CHI 2022, SGS and CS, University of Toronto. (April 2022)

- COVID-19 Student Engagement Award at the University of Toronto for a project on identifying and mitigating religious misinformation. (June 2020)

- Best Paper Honorable Mention at CHI 2019. (2019)

- PhD Conference Travel Grant Award, Department of CS, University of Toronto. (Winter, 2019)

- Campus Entrepreneurship Seed Grant Award - CU Boulder (2016). [Co-I]

- Development Consortium: HCI Across Borders - Travel Grant Award. (2016) [Could not pursue]

- ICTD Travel Grant Award. (2015)

- Thesis Poster Competition, Department of CSE, BUET. *Honorable Mention* (2014)

- TIB-Prothom Alo Youth Festival-Inter University Project Show. *Champion in Software Category.* (2011)

- Competitive Countrywide Government Scholarships: H.S.C. (General, 2008), Junior (Talentpul, 2003), and Primary (General, 2000)

Employment

University of Toronto

- Research Assistant, Dynamic Graphics Project Lab (DGP), Department of CS. (Fall 2017 - Present)

- Course Instructor, CSC300 (Computer and Society), Department of CS. (Winter 2022, 125 students)

University of Colorado Boulder

- Research Assistant, Philanthropic Informatics, Department of Information Science. (Summer 2017)

- Teaching Assistant, Department of Information Science. (Fall 2016, Spring 2017)

New York University Abu Dhabi

- Visiting Researcher, Design Technology Lab (DTL), Department of CS. (January 2015 - August 2016) (June 2019 - August 2019)

University of Liberal Arts Bangladesh (ULAB)

- Junior Lecturer, Department of Computer Science and Engineering. (Fall 2015)

Publications

Peer-reviewed Conference Papers

- **Mohammad Rashidujjaman Rifat**, Hasan Mahmud Prottoy, and Syed Ishtiaque Ahmed. "Putting The Waz on the Social Media: Infrastructuring Online Islamic Counterpublic through Digital Sermons in Bangladesh." In *Proceedings of the 37th annual ACM conference on Human factors in computing systems (**CHI 2022**)*, New Orleans, USA. *Travel Grant Awards*

- **Mohammad Rashidujjaman Rifat**, Mohammad Ruhul Amin, and Syed Ishtiaque Ahmed. "The Politics and Poetics of the Digital Islamic Sermons in Bangladesh." *Proceedings of the ACM on Human-Computer Interaction.* CSCW (2022).

- **Mohammad Rashidujjaman Rifat**, Mahiratul Jannat, Mahdi Nasrullah Al-Ameen, S M Taiabul Haque, Muhammad Ashad Kabir, and Syed Ishtiaque Ahmed. "Purdah, Amanah, and Gheebat: Understanding Privacy in Bangladeshi "pious" Muslim Communities." In *ACM SIGCAS Conference on Computing and Sustainable Societies (**COMPASS 2021**)*, Virtual.

- Rayhan Rashed, **Mohammad Rashidujjaman Rifat**, and Syed Ishtiaque Ahmed. "Pandemic, Repair, and Resilience: Coping with Technology Breakdown during COVID-19." In *ACM SIGCAS Conference on Computing and Sustainable Societies (**COMPASS 2021**)*, Virtual.

- **Mohammad Rashidujjaman Rifat**, Toha Toriq, and Syed Ishtiaque Ahmed. "Religion and Sustainability: Lessons of Sustainable Computing from Islamic Religious Communities." *Proceedings of the ACM on Human-Computer Interaction 4.* CSCW2 (2020): 1-32.

- **Mohammad Rashidujjaman Rifat**, Hasan Mahmud Prottoy, and Syed Ishtiaque Ahmed. "The Breaking Hand: Knowledge, Care, and Sufferings of the Hand of an Electronic Waste Worker in Bangladesh." In *Proceedings of the 37th annual ACM conference on Human factors in computing systems (**CHI 2019**)*, Glasgow, UK. *Best Paper Honorable Mention Award* *Travel Grant Awards*

- Fayika Farhat Nova, **Mohammad Rashidujjaman Rifat**, Pratyasha Saha, Syed Ishtiaque Ahmed, and Shion Guha. "Online Sexual Harassment over Anonymous Social Media in Bangladesh." In *Proceedings of the Tenth International Conference on Information and Communication Technologies and Development (**ICTD 2019**)*, Ahmedabad, India.

- **Mohammad Rashidujjaman Rifat**, Jay Chen, and Kentaro Toyama. "Money, God, and SMS: Explorations in Supporting Social Action Through a Bangladeshi Mosque." In *Proceedings of the 35th annual ACM conference on Human factors in computing systems (CHI 2017)*, Denver, CO, USA. (Acceptance Rate: 25%)

- Syed Ishtiaque Ahmed, Md. Romael Haque, Shion Guha, **Mohammad Rashidujjaman Rifat**, and Nicola Dell. "Privacy and Surveillance in the Global South: A Study of Biometric Mobile Registration in Bangladesh." In *Proceedings of the 35th annual ACM conference on Human factors in computing systems (CHI 2017)*, Denver, CO, USA. (Acceptance Rate: 25%)

- **Mohammad Rashidujjaman Rifat**, Aysha Siddique, Azza Abouzied, and Jay Chen. "From Alley to Landfill: Challenges of and Design Opportunities for Cleaning Dhaka's Communal Trash." In *Proceedings of the Eighth International Conference on Information and Communication Technologies and Development (ICTD 2016)*, Ann Arbor, MI, USA. (Acceptance Rate: 28%)

- Syed Ishtiaque Ahmed, Shion Guha, **Mohammad Rashidujjaman Rifat**, Faysal Ahmed, Nicola Dell. "Privacy in Repair: Challenges around the Broken Digital Objects in Bangladesh". In *Proceedings of the Eighth International Conference on Information and Communication Technologies and Development (ICTD 2016)*, Ann Arbor, MI, USA. (Acceptance Rate: 28%) *Best of ICTD'2016*

- Syed Ishtiaque Ahmed, Steven J. Jackson, and **Md Rashidujjaman Rifat**. "Learning to fix: knowledge, collaboration and mobile phone repair in Dhaka, Bangladesh." In *Proceedings of the Seventh International Conference on Information and Communication Technologies and Development (ICTD 2015)*, Singapore, p. 4. ACM, 2015. (Acceptance Rate: 20%) *ICTD Travel Grant Award*

- Steven J. Jackson, Syed Ishtiaque Ahmed, and **Md Rashidujjaman Rifat**. "Learning, innovation, and sustainability among mobile phone repairers in Dhaka, Bangladesh." In *Proceedings of the 2014 conference on Designing interactive systems (DIS 2014)*, Vancouver, Canada, pp. 905-914. ACM, 2014. (acceptance rate : 26%)

- Syed Ishtiaque Ahmed, Steven J. Jackson, Nova Ahmed, Hasan Shahid Ferdous, **Md Rashidujjaman Rifat**, A. S. M. Rizvi, Shamir Ahmed, and Rifat Sabbir Mansur. "*Protibadi*: a platform for fighting sexual harassment in urban Bangladesh." In *Proceedings of the 32nd annual ACM conference on Human factors in computing systems (CHI 2014)*, Toronto, Canada, pp. 2695-2704. ACM, 2014. (Acceptance rate : 22.8%)

Peer-reviewed Journal Papers

- Yan Wang, Andrea Peris, **Mohammad Rashidujjaman Rifat**, Syed Ishtiaque Ahmed, Nirupam Aich, Linh V. Nguyen, Jakub Urík, Ethel Eljarrat, Branislav Vrana, Liisa M. Jantunen, Miriam L. Diamond. "Measuring exposure of e-waste dismantlers in Dhaka Bangladesh to organophosphate esters and halogenated flame retardants using silicone wristbands and T-shirts." In Science of the Total Environment (STOTEN).

- Syed Ishtiaque Ahmed, Shion Guha, **Mohammad Rashidujjaman Rifat**, Faysal Ahmed, Nicola Dell. "Privacy Vulnerabilities in the Practices of Repairing Broken Digital Artifacts in Bangladesh." Journal on Information Technologies & International Development (ITID). *"Best of ICTD'2016"–Invited article for an ITID special issue*

Workshop Organizer

- **Mohammad Rashidujjaman Rifat**, Firaz Ahmed Peer, Hawra Rabaan, Nusrat Jahan Mim, Maryam Mustafa, Kentaro Toyama, Robert B. Markum, Elizabeth Buie, Jessica Hammer, Sharifa Sultana, Samar Sabie, and Syed Ishtiaque Ahmed. "Integrating Religion, Faith, and Spirituality in HCI." In **CHI 2022**.

- Sharifa Sultana, **Mohammad Rashidujjaman Rifat**, Syed Ishtiaque Ahmed, Ranjit Singh, Julian Posada, Azra Ismail, Yousif Hassan, Seyram Avle, Nithya Sambasivan, Rajesh Veeraraghavan, Priyank Chandra, and Rafael Grohmann. "Big Data and AI in the Global South." In **FAccT 2022**.

Selected Lightly-reviewed Papers, Workshop Papers, Posters, Demos, and Newsletters

- **Mohammad Rashidujjaman Rifat**, Mahiratul Jannat Nabia, Ashad Kabir, S M Taiabul Haque, Mahdi Nasrullah Al-Ameen, Syed Ishtiaque Ahmed. "Purdah as Privacy: Understanding Privacy in Bangladeshi Islamic Communities". In **Islamic HCI Workshop** at **CHI 2020**, Hawaii, USA.

- Yasaman Rohanifar, **Mohammad Rashidujjaman Rifat**, Nusrat Jahan Mim, Syed Ishtiaque Ahmed. "Ambivalence: Simultaneous Tactile Experiences of Using and Recycling Smartphones." In Companion Publication of the 2019 on Designing Interactive Systems Conference 2019 Companion (**DIS 2019**), San Diego, California, USA.

- **Md. Rashidujjaman Rifat**, Dipto Das, Najmul Islam, and Syed Ishtiaque Ahmed. "Social Media Celebrities in Bangladesh". In the Development Consortium: **HCI4D Across Borders**; A workshop in the ACM Conference on Human Factors in Computing Systems (**CHI 2019**), Glasgow, UK.

- Fayika Farhat Nova, **Md. Rashidujjaman Rifat**, Pratyasha Saha, Syed Ishtiaque Ahmed, and Shion Guha. "Silenced Voices: Understanding Sexual Harassment on Anonymous Social Media Among Bangladeshi People". In the Companion Publication of Computer-Supported Cooperative Work and Social Computing (**CSCW 2018**), Jersy City, NY, USA.

- **Md. Rashidujjaman Rifat**, Hasan Mahmud Prottoy, Nirupma Aich, and Syed Ishtiaque Ahmed. "Understanding the Opportunities and Challenges in E-waste Management Practices in Dhaka, Bangladesh". In the Development Consortium: **HCI4D Across Borders**; A workshop in the ACM Conference on Human Factors in Computing Systems (**CHI 2018**), Montreal, QC, Canada.

- Shion Guha and **Md. Rashidujjaman Rifat**. "Privacy and Security Issues in ICTD: Research and Practice". In the Development Consortium: **HCI4D Across Borders;** A workshop in the ACM Conference on Human Factors in Computing Systems (**CHI 2016**), San Jose, CA, USA. *Travel Grant Award*

- Muhammad Hussain Mahdi*, Nafisa Anzum*, Farzana Ahmed Siddique*, **Mohammad Rashidujjaman Rifat**, Kazi Shahidullah, and A. B. M. Alim Al Islam. "A Tale of Institutional Education in Bangladesh: Students' Perspective." In *19th International Conference on Computer and Information Technology (**ICCIT 2016**), Dhaka, Bangladesh, IEEE, 2016.* (6 pages paper) *equal contribution *ICCIT 2016 Conference Award*

- Syed Ishtiaque Ahmed, Shion Guha, and **Md. Rashidujjaman Rifat**. "Privacy Concerns in Repairing." In Symposium On Usable Privacy and Security (**SOUPS 2014**), CA, USA. 2014.

- **Md Rashidujjaman Rifat**, Shubrami Moutushy, and Hasan Shahid Ferdous. "A Location Based Advertisement Scheme using OpenStreetMap." In *15th International Conference on Computer and Information Technology (**ICCIT 2012**)*, Chittagong, Bangladesh, pp. 423-428. IEEE, 2012.

- Hasan Shahid Ferdous, Farhana Murtaza Choudhury, **Md Rashidujjaman Rifat**, and Shubrami Moutushy. "Usability analysis of e-Governance services in Bangladesh − A survey and future directions." In *15th International Conference on Computer and Information Technology (**ICCIT 2012**)*, Chittagong, Bangladesh, pp. 417-422. IEEE, 2012.

- Shubrami Moutushy, **Md. Rashidujjaman Rifat**, Hasan Shahid Ferdous. "Guess or Locate: A Location based Gaming Approach to Teach Children Collaborating with the Real World", accepted at *IEEE Learning Technology Newsletter*, April 2012 issue.

- Farhana Murtaza Choudhury, **Md. Rashidujjaman Rifat**, Shubrami Moutushy, Hasan Shahid Ferdous. "RetrospectGallery: Create Stories from Your Life", accepted at *IEEE Learning Technology Newsletter*, April 2012 issue.

- **Md. Rashidujjaman Rifat**, Shubrami Moutushy, Syed Ishtiaque Ahmed, and Hasan Shahid Ferdous. "Location based information system using OpenStreetMap." In *IEEE Student Conference on Research and Development (**SCOReD 2011**)*, Malaysia, pp. 397-402. IEEE, 2011.

- Ridwanur Rahman, **Md. Rashidujjaman Rifat**, Shubrami Moutushy, and Hasan Shahid Ferdous. "Toward a customizable effective patient management system for ensuring quality medical service." In *IEEE Student Conference on Research and Development (**SCOReD 2011**)*, Malaysia, pp. 415-419. IEEE, 2011.

Academic Services

Program Committee

– Associate Chair, CHI 2023 (Subcommittee: Understanding People - Qualitative Studies).

– Associate Chair, ICTD 2022.

– Associate Chair, CHI late breaking works 2020, 2021, 2022.

– Associate Chair, WANDER 2022.

Invited Reviews

* indicates special recognition for outstanding reviews

– CHI 2017, 2018, 2019, 2020*, 2021*, 2022*

– CSCW 2018, 2020*, 2021*, 2022*

– DIS 2020

Guest Editor

– ACM Interactions, Special Issue on Spirituality in Design. (July 2022)

Student Volunteer

– CHI 2018, 2019, 2022

– ICTD 2022 (assistant to the program committee chairs)

– IEEE Workshop on Human and Technology, Khulna, Bangladesh. (2013) ***First ever HCI workshop in Bangladesh*

Miscellaneous

- **Organizer,** HCI4D Conference at Third Space, Department of Computer Science, University of Toronto. (July, 2020)

Founding Member

- Third Space Research Group, Department of Computer Science, University of Toronto.
- OpenStreetMap Community, Bangladesh.
- Human Technology Interaction Research Group, BUET.

School & Lab Services

- **HCI Qualitative Methods Data Analysis Workshop**, Volunteer, Critical Computing, University of Toronto. (Winter 2022)
- **Ethics and AI Reading Group**, Organizing Member, Third Space Research Group, University of Toronto. (Fall 2020)
- **Critical Computing Seminar**, Organizing Member, University of Toronto. (2020 - present)
- **Graduate Visit Day**, Student Volunteer Chair (recruited and coordinated with 30 volunteers), Department of Computer Science, University of Toronto. (March 2019)
- **Dynamic Graphics Project (DGP) Lab Bi-weekly Lab Meeting**, Coordinator, University of Toronto. (September 2018 - February 2019)

Other Voluntary Services

- **Sanitation Hackathon**, Mentor, Dhaka, Bangladesh. (Organized By World Bank). (2012)
- **Water and Sanitation Program in Bangladesh**, Technical Advisor, World Bank. (2011)
- **Dhaka GTUG 1st Workshop on Android and Its Application**, Instructor, United International University, Dhaka, Bangladesh. (2011)
- **OpenStreetMap Updating and Android App Development Training Program**, **Instructor,** CUET. (2010)

Student Mentoring

- Natalie Ashgriz, University of Toronto. (January 2022 -)
- Akiki Liang, University of Toronto. (January 2022 -)
- Ashratuz Zavin Asha, University of Calgary. (November 2021 -)
- Xinyi Yan, University of Waterloo. (November 2021 -)
- Shivesh Jadon, University of Calgary. (November 2021 -)
- Rayhan Rashed, BUET. (June 2020 -)
- Hasan Mahmud Prottoy, BUET. (January 2018 - September 2021)

- Mahiratul Zannat, University of Dhaka. (December 2019 - January 2021)
- Toha Toriq, Kushtia Islamic University. (December 2019 - December 2020)

Teaching Experience

Course Instructor, Computer Science, University of Toronto
- CSC 300 (Computer and Society). 125 students, Winter 2022.

Teaching Assistant, Computer Science, University of Toronto
- CSC 2558 (Designing Intelligent Self-Improving Systems Through Human Computation, Randomized A/B Experiments and Statistical Machine Learning) (Fall 2019)

    Instructor: Dr. Joseph Jay Williams
- CSC 148 (Introduction to Computer Science) (Fall 2018, Winter 2018)

    Instructors: Danny Heap, David Liu
- CSC 300 (Computer and Society). (Winter 2018, 2019; Fall 2019)

    Instructors: Mathew Zaleski and Dr. Syed Ishtiaque Ahmed

Teaching Assistant, Environmental Science, University of Toronto
- ENV 261 (Is Internet Green?) (Fall 2018)

    Instructor: Dr. Miriam Diamond

Teaching Assistant, Information Science, University of Colorado Boulder
- INFO 1201 (Computational Reasoning 1). (Spring 2017)

    Instructor: Dr. Ricarose Roque
- INFO 1201 (Computational Reasoning 1). (Fall 2016)

    Instructors:- Dr. Stephen Voida and Dr. Danielle Szafir

Junior Lecturer, Department of CSE, University of Liberal Arts Bangladesh (ULAB)
- CSE 103 (Structured Programming). (Fall 2014)
- CSE 201 (Object Oriented Programming). (Fall 2014)

Selected Talks

Invited Talks and Guest Lecturing

Postsecular HCI
- Information Science Graduate Seminar Series, Cornell University. (March 2022)
- Crisis Informatics Research Group, University of Toronto. (February 2022)

Designing Technologies for Sustainable Development.

- Human-Computer Interaction, University of Waterloo. (November 27, 2018)

Is the Internet Green?

- ENV261H1, Department of Environmental Engineering, University of Toronto. (Winter 2018, 2019, 2020, 2021)

Technology and Environmental Sustainability

- CSC300 (Computer and Society), Department of Computer Science, University of Toronto. (November 13, 2018)

Conference and Workshop Talks

Religion and Sustainability: Lessons of Sustainable Computing from Islamic Religious Communities.

- ACM Conference on Computer-Supported Cooperative Work and Social Computing, Virtual Event. (October 20, 2020)

The Breaking Hand: Knowledge, Care, and Sufferings of the Hand of an Electronic Waste Worker in Bangladesh.

- The ACM CHI Conference on Human Factors in Computing Systems (CHI 2017), Glasgow, UK. (May 9, 2019)
- Toronto HCI. (April 25, 2019)

Money, God, and SMS: Explorations in Supporting Social Action Through a Bangladeshi Mosque.

- Dynamic Graphics Project Lab (DGP), University of Toronto, Toronto, Ontario, Canada. (October, 2017)
- The ACM CHI Conference on Human Factors in Computing Systems (CHI 2017), Denver, Colorado, USA. (May, 2017)
- ATLAS Institute, University of Colorado at Boulder, Colorado, USA. (May, 2017)

Learning to fix: Knowledge, Collaboration and Mobile Phone Repair in Dhaka, Bangladesh.

- International Conference on Information and Communication Technologies and Development (ICTD 2015), Singapore. (2015)

Toward a Customizable Effective Patient Management System for Ensuring Quality Medical Service.

- The IEEE Student Conference for Research and Development (SCOReD), Malaysia. (2011)

Location Based Information System Using OpenStreetMap.

- HCI, Bangladesh University of Information and Technology. (2011)
- Dhaka GTUG 1st workshop on Android and It's Application, UIU. (2011)

Languages

Bengali (Mothertongue)

English (Intermediate, Fluent)

References

Available upon request.

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