

Rakibul HASAN

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RESEARCH FOCUS

Human-centered privacy and security. I apply methodologies from Machine Learning, Cognitive Psychology, Measurement, Computational Social Science, and HCI to understand security and privacy risks posed by existing and emerging technologies and invent *usable* and *scalable* solutions to mitigate those risks.

EDUCATION

August 2015–December 2020	Ph.D. in <i>Computer Science</i> (Minor: Cognitive Science) <i>Indiana University Bloomington, USA.</i>
April 2012	Bachelor of Science in <i>Computer Science and Engineering.</i> <i>Bangladesh University of Engineering and Technology, Dhaka, Bangladesh.</i>

PROFESSIONAL EXPERIENCE

JANUARY 2022–NOW	Assistant Professor at <i>Arizona State University.</i>
JANUARY 2020–DECEMBER 2021	Postdoctoral Researcher at <i>CISPA Helmholtz Center for Information Security, Germany.</i>
SUMMER 2019	Research Intern at <i>International Computer Science Institute (ICSI) / UC Berkeley.</i>
SUMMER 2018	Research Intern at <i>Max Planck Institute for Informatics, Germany.</i>
AUGUST 2015–DECEMBER 2020	Research assistant at <i>Indiana University.</i>
SEPT. 2013 –JULY 2015	Software Engineer in <i>R&D Sports Team, VizRT.</i>
APR. 2012–AUG 2013	Software Engineer at <i>Reve Systems.</i>

PUBLICATIONS

Refereed conference and journal

1. **Rakibul Hasan** and Mario Fritz “Understanding Utility and Privacy of Demographic Data in Education Technology by Causal Analysis and Adversarial-Censoring.” To appear at the 22nd Privacy Enhancing Technologies Symposium (PETS’22)
2. **Rakibul Hasan**, Cristobal Cheyre, Yong-Yeol Ahn, Roberto Hoyle, Apu Kapadia, “The Impact of Viral Posts on Visibility and Behavior of Professionals: A Longitudinal Study of Scientists on Twitter.” To appear at the 16TH AAAI International Conference on Web and Social Media (ICWSM’22)
3. **Rakibul Hasan**, Bennett I. Bertenthal, Kurt Hugenberg, Apu Kapadia, “Your Photo is so Funny that I don’t Mind Violating Your Privacy by Sharing it: Effects of Individual Humor Styles on Online Photo-sharing Behaviors.” ACM CHI Conference on Human Factors in Computing Systems (CHI’21).
4. 🏆 **Rakibul Hasan**, David Crandall, Mario Fritz, Apu Kapadia, “Automatically Detecting Bystanders in Photos to Reduce Privacy Risks”. *IEEE Symposium on Security and Privacy, 2020 (Oakland’20, 12.3% acceptance rate) (Runner up at the 2020 CNIL-Inria Privacy Protection Award).*
5. Mary Jean Amon, **Rakibul Hasan**, Kurt Hugenberg, Bennett Bertenthal, and Apu Kapadia “Influencing Photo Sharing Decisions on Social Media: A Case of Paradoxical Findings.” *IEEE Symposium on Security and Privacy, 2020 (Oakland’20, 12.3% acceptance rate).*
6. **Rakibul Hasan**, Yifang Li, Eman Hassan, Kelly Caine, David Crandal, Roberto Hoyle, and Apu Kapadia, “Can Privacy Be Satisfying? On Improving Viewer Satisfaction for Privacy-Enhanced Photos Using Aesthetic Transforms”. ACM CHI Conference on Human Factors in Computing Systems (CHI’19, 23.8% acceptance rate).
7. **Rakibul Hasan**, Eman Hassan, Yifang Li, Kelly Caine, David Crandal, Roberto Hoyle, and Apu Kapadia, “Viewer Experience of Obscuring Scene Elements in Photos to Enhance Privacy”. ACM CHI Conference on Human Factors in Computing Systems (CHI’18, 25.7% acceptance rate).
8. M. R. Islam, S. Rahaman, **Rakibul Hasan**, R. R. Noel, A. Salekin and H. S. Ferdous, “A Novel Approach for Constructing Emulator for Microsoft Kinect XBOX 360 Sensor in the .NET Platform,” 4th International Conference on Intelligent Systems, Modelling and Simulation, 2012.
9. R. R. Noel, A. Salekin, R. Islam, S. Rahaman, **Rakibul Hasan**, and H. S. Ferdous. “A natural user interface classroom based on Kinect”. In IEEE Learning Technology Newsletter, volume 13, October 2011.

Workshops

1. Tousif Ahmed, **Rakibul Hasan**, Kay Connelly, David Crandall, and Apu Kapadia “Conveying Situational Information to People with Visual Impairments”. Workshop at ACM CHI Conference on Human Factors in Computing Systems. (CHI’19)

2. Eman Hassan, **Rakibul Hasan**, Patrick Shaffer, David Crandall, and Apu Kapadia, "Cartooning for Enhanced Privacy in Lifelogging and Streaming Video,". In Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshop on Computer Vision Challenges and Opportunities for Privacy and Security (CVPRW 2017).

Extended abstracts | Posters | Short talks

1. "Your Photo is so Funny that I don't Mind Violating Your Privacy by Sharing it: Individual Humor Styles and Photo-sharing Behaviors". Extended abstract at Symposium on Usable Privacy and Security (SOUPS 2020).
2. "Influencing Photo-sharing Behaviors on Social Media to Reduce Privacy Risks". Short talk at IEEE Symposium on Security and Privacy, 2020 (S&P 2020).
3. "Reducing Privacy Risks in the Context of Sharing Photos Online". Extended abstract at the Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems, 2020 (CHI'20)
4. "Automatically Detecting Bystanders in Images to Reduce Privacy Risks". Open Day for Privacy, Usability, and Transparency (PUT@PETS'19)
5. 🏆 "Learning to Detect Bystanders in Images". Midwest Security Workshop (Best poster award at MSW'19)

AWARDS AND HONORS

APRIL, 2020	Student grant to attend and present my research at the <i>Doctoral Consortium</i> , CHI 2020.
AUGUST, 2019	USENIX Association grant to attend the 15th Symposium, on Usable Privacy and Security, SOUPS 2019
JULY, 2019	NSF travel grant for attending <i>Privacy Enhancing Technologies Symposium (PETS 2019)</i>
APRIL, 2019	Best poster award in <i>Midwest Security Workshop (MSW 2019)</i>
JULY, 2018	NSF travel grant for attending <i>Privacy Enhancing Technologies Symposium (PETS 2018)</i>
JULY, 2017	NSF travel grant for attending <i>The Bright and Dark Sides of Computer Vision: Challenges and Opportunities for Privacy and Security (CV COPS 2017)</i>

MENTORING EXPERIENCE

I have been affiliated with the Center of Excellence for Women in Technology (CEWiT) and Undergraduate Research Opportunities in Computing (UROC) at Indiana University. Each semester I mentor 2-4 undergraduate students in a research project. I make an active effort to design a research project which is small but contains all the usual elements of the scientific research processes. Consequently, the semester-long research work includes developing research questions, collecting and analyzing data, and reporting findings in written format. The students present their work in a poster session at the end of each semester.

Additionally, during summer 2016, I mentored a team of two undergraduate research interns. My team won the **best poster award** in summer interns poster competition that year.

VOLUNTEER SERVICES

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- Graduate admission committee member at ASU (2022).
 - PC member of PETS 2022.
 - PC member of CHI LBW 2021.
 - PC member of CVPR workshop: The Bright and Dark Sides of Computer Vision (CVCOPS'2019)
 - Served as a student volunteer for CHI 2020 PC meetings.
 - Served as an external reviewer for ICWSM'18, ICWSM'19, CHI'20, CHI'21, CSCW'20, CSCW'21, CVCOPS'18, CVCOPS'19, ICML'20, IMWUT'2022.
 - Reviewed articles (on request) submitted to *USENIX Security Symposium 2020* and *ACM Transactions on the Web Journal*