

Imtiaz Ahmad

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RESEARCH INTEREST

Usable Privacy and Security, Online Privacy, Accessibility, Social Computing, Human-Computer Interaction

EDUCATION

PhD Student, Computer Science

Indiana University, Bloomington, IN

Dissertation: Designing Sensors that Provide a Tangible Sense of Privacy to Smart Device Users

Spring 2022 (Expected)

Advisor: [Apu Kapadia](#)

MSc, Computer Science

Indiana University, Bloomington, IN

Fall 2018

BSc, Computer Science

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

2009 – 2014

EXPERIENCE

Research Assistant

Privacy Lab, Indiana University, Bloomington, IN

Fall 2018 – Present

- Exploring design ideas for smart assistants (e.g., Nest Hub, Portal, Echo Show) for conveying a tangible sense of privacy to the users
- Investigating peoples' privacy behaviors in the context of photo sharing on social media
- Investigating the effectiveness of using ambient indicators to raise data privacy awareness among IoT users
- Explored bystanders' privacy needs and their privacy enhancing behaviors in the vicinity of IoT devices (n=19)
- Investigated user experience and privacy implications of the new android permission model

Teaching Assistant

Indiana University, Bloomington, IN

Spring 2018

- CSCI-B430 : Security For Networked Systems
- CSCI-B433 : Secure Protocols

Lecturer, Computer Science

United International University, Dhaka, Bangladesh

January 2015 – July 2017

- Taught over 200 undergrad students, covered topics on Operating Systems, Digital Logic Design, and Programming in C/C++

Software Engineer

Web Development Team, [SSD-TECH](#), Dhaka, Bangladesh

July 2014 – January 2015

- Developed the front-end and back-end of [eCourier](#)

PEER-REVIEWED CONFERENCE AND JOURNAL PAPERS

- **Imtiaz Ahmad**, Rosta Farzan, Apu Kapadia, and Adam J. Lee, (2020). "Tangible Privacy: Towards User-Centric Sensor Designs for Bystander Privacy", In Proceedings of the ACM Journal: Human-Computer Interaction: Computer Supported Cooperative Work and Social Computing (PACM '20/CSCW '20).
- **Imtiaz Ahmad**, Taslima Akter, Rosta Farzan, Apu Kapadia, and Adam J. Lee, (2021). "Measuring Users' Attitudes Towards User-Centric Sensor Designs for Smart Voice Assistants", [Submitted-Under Review]
- Adam J. Lee, Rosta Farzan, Apu Kapadia, and **Imtiaz Ahmad** (2020). "Making sense of risk in an increasingly cyber-physical world", Critical Quarterly 62, 1 (2020), 40–48.
- Ashikur Rahman, Nawshad Rehan Rasha, **Imtiaz Ahmad**, Sirat Samyoun (2015). "Modeling Sparsity of Planar Topologies for Wireless Multi-hop Networks", In Proceedings of The 13th International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt 15) , May 25-29, 2015 at the IIT Bombay, Mumbai, India, Acceptance rate 38.8%.

TECHNICAL SKILLS

Languages: Python, R, C/C++, Java, SQL, Shell Script, Assembly, PHP, JavaScript, HTML/CSS

Research Methods: Survey Design & Analysis, Interview Study, Usability Testing, Contextual Inquiry, Field Study

Developer Tools: Git, Docker, Visual Studio, PyCharm, IntelliJ, Eclipse

SYNERGISTIC ACTIVITIES

Reviewer: SOUPS 2019, SOUPS 2020

Member: Indiana University-Bangladesh Student Association (IU-BDSA)