HANA T. HABIB

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RESEARCH AREA	Usable Security & Privacy; Human-Computer Interaction (HCI);

EDUCATION

Carnegie Mellon University, School of Computer Science, Pittsburgh, PA
Ph.D in Societal Computing
August 2016 – Present • GPA: 3.88

Carnegie Mellon University, Pittsburgh, PA • Mountain View, CA
M.S. Information Technology-Information Security
Graduated December 2015

Cornell University, College of Engineering, Ithaca, NY
B.S. Independent Major-Computer Science, Electrical and Computer Engineering
Graduated May 2013

CONFERENCE

Hana Habib, Yixin Zou, Yaxing Yao, Alessandro Acquisti, Lorrie Faith Cranor, Joel Reidenberg, Norman Sadeh, Florian Schaub. "Toggles, Dollar Signs, and Triangles: How to (In)Effectively Convey Privacy Choices with Icons and Link Texts.." *In Proceedings of the Conference on Human Factors in Computing Systems (CHI).* 2021.

Hana Habib, Sarah Pearman, Jiamin Wang, Yixin Zou, Alessandro Acquisti, Lorrie Faith Cranor, Norman Sadeh, Florian Schaub. "`It's a scavenger hunt': Usability of Websites' Opt-Out and Data Deletion Choices." *In Proceedings of the Conference on Human Factors in Computing Systems (CHI).* 2020.

Vinayshekhar Bannihatti Kumar, Roger Iyengar, Namita Nisal, Yuanyuan Feng, **Hana Habib**, Peter Story, Sushain Cherivirala, Margaret Hagan, Lorrie Faith Cranor, Shomir Wilson, Florian Schaub, Norman Sadeh. "Finding a Choice in a Haystack: Automatic Extraction of Opt-Out Statements from Privacy Policy Text." *In Proceedings of the Web Conference (the Web Conf).* 2020.

Hana Habib, Yixin Zou, Aditi Jannu, Neha Sridhar, Chelse, Swoopes, Alessandro Acquisti, Lorrie Faith Cranor, Norman Sadeh, Floriean Schaub. "An Empirical Analysis of Data Deletion and Opt-Out Choices on 150 Websites." *In Proceedings of the Symposium on Usable Privacy and Security (SOUPS).* 2019.

Hana Habib, Neil Shah, and Rajan Vaish. "Impact of Contextual Factors on Snapchat Public Sharing." *In Proceedings of the Conference on Human Factors in Computing Systems (CHI).* 2019. **Best Paper Honorable Mention award.**

Hana Habib, Jessica Colnago, Vidya Gopalakrishnan, Sarah Pearman, Jeremy Thomas, Alessandro Acquisti, Nicolas Christin, and Lorrie Faith Cranor. "Away From Prying Eyes: Analyzing Usage and Understanding of Private Browsing." *In Proceedings of the Symposium on Usable Privacy and Security (SOUPS).* 2018.

Hana Habib, Pardis Emami Naeini, Summer Devlin, Maggie Oates, Chelse Swoopes, Lujo Bauer, Nicolas Christin, and Lorrie Faith Cranor. "User Behaviors and Attitudes Under Password Expiration Policies." *In Proceedings of the Symposium on Usable Privacy and Security (SOUPS).* 2018.

Hana Habib, Jessica Colnago, William Melicher, Blase Ur, Sean Segreti, Lujo Bauer, Nicolas Christin, and Lorrie Faith Cranor. "Password Creation in the Presence of Blacklists." *In Proceedings of the Workshop on Usable Security (USEC)*. 2017.

Sarah Pearman, Jeremy Thomas, Pardis Emami Naeini, **Hana Habib**, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Serge Egelman, and Alain Forget. "Let's go in for a closer look: Observing passwords in their natural habitat." *In Proceedings of the Conference on Computer and Communications Security (CCS)*. 2017.

Pardis Emami Naeini, Sruti Bhagavatula, **Hana Habib**, Martin Degeling, Lujo Bauer, Lorrie Cranor, Norman Sadeh. "Privacy Expectations and Preferences in an IoT World." *In Proceedings of the Symposium on Usable Privacy and Security (SOUPS)*. 2017.

Blase Ur, Felicia Alfieri, Maung Aung, Lujo Bauer, Nicolas Christin, Jessica Colnago, Lorrie Faith Cranor, Henry Dixon, Pardis Emami Naeini, **Hana Habib**, Noah Johnson, and William Melicher. "Design and Evaluation of a Data-Driven Password Meter." *In Proceedings of the Conference on Human Factors in Computing Systems (CHI)*. 2017. **Best Paper Award.**

Joshua Gluck, Florian Schaub, Amy Friedman, **Hana Habib**, Norman Sadeh, Lorrie Faith Cranor, and Yuvraj Agarwal. "How Short Is Too Short? Implications of Length and Framing on the Effectiveness of Privacy Notices." *In Proceedings of the Symposium on Usable Privacy and Security (SOUPS).* 2016.

Manya Sleeper, William Melicher, **Hana Habib**, Lujo Bauer, Lorrie Faith Cranor, and Michelle L. Mazurek. "Sharing personal content online: Exploring channel choice and multi-channel behaviors." *In Proceedings of the Conference on Human Factors in Computing Systems (CHI)*. 2016.

Hana Qudsi and Maneesh Gupta. "Low-Cost, Thermistor Based Respiration Monitor*." In Proceedings of the Southern Biomedical Engineering Conference (SBEC)*. 2013.

WORK EXPERIENCE Aug. 2016 – Present	**CMU CyLab Usable Privacy & Security Lab, Pittsburgh, PA** Graduate Research Assistant • Developing user study protocols to investigate research questions in the space of usable privacy and security • Utilizing quantitative and qualitative methods to analyze data collected from user studies • Served as a Teaching Assistant during the Fall 2016 semester for Privacy Policy, Law, and Technology, a cross-discipline graduate level course • Served as a Teaching Assistant during the Spring 2019 semester for Usable Privacy and Security, a research methods focused graduate level course
May 2018 – Aug. 2018	**Snap Inc., Los Angeles, CA** Research Intern • Designed and conducted a user study to better understand the role of context on public sharing decisions of Snapchat users • Communicated study findings to stakeholders within the company to inform future product development

- Collaborated with Marketing, Privacy Engineering, and Legal teams to help establish organizational processes for conducting HCI research

May 2015 – Aug. 2015	**Apple Inc., Cupertino, CA** Privacy Engineering Intern

- Collaborated with teams cross-functionally to ensure privacy-protective feature designs for new and existing Apple products
- Developed tools to automate recurring Privacy Engineering tasks
- Analyzed reported data to better understand customer privacy needs
- Created awareness of privacy-related technology challenges within Apple and proposed novel solutions

Jan. 2015 – Dec. 2015	**CMU CyLab Usable Privacy & Security Lab, Pittsburgh, PA** Graduate Research Assistant

- Helped design a user study protocol to investigate effective notification mediums for Internet of Things devices
- Modified a PhoneGap Android application to send push notifications containing variations of a privacy notice for a Fitbit device
- Facilitated a diary and interview study of online data sharing practices in order to better understand user requirements for applications and services

June 2013 – July 2016	**National Security Agency (NSA), Fort George G. Meade, MD** Product Owner, Product Source Node Development Branch

- Implemented generation of additional cryptographic products by a Key Management Infrastructure (KMI)
- Managed team work items to ensure progress towards program goals
- Provided updates to system components to integrate new KMI capabilities
- Virtualized system components for use in the development environment

SCHOLARSHIPS AND AWARDS

o Awarded a $50,000 research grant from Facebook
o Participant in the 2019 Rising Stars Workshop
o Participant in the 2017/2018 Privacy Scholars Fellowship Program
o Recipient of the 2017/2018 and 2019/2020 CyLab Presidential Fellowship
o Recipient of the 2014 Executive Women's Forum Fellowship
o Graduate of NSA's Stokes Educational Scholarship Program

SERVICE

o Who Are You!? Adventures in Authentication (WAY'19) Program Committee
o PhD Women@SCS Board (2019)
o Graduate Student Assembly (2019)
o OurCS Conference Committee (2019)
o OurCS Facilitator (2017, 2019)
o INI Alumni Leadership Council Member (2018-)

CERTIFICATIONS AND SKILLS

o IAPP Certified Information Privacy Technologist (CIPT)
o *Frameworks & Tools*: MySQL, Git, Subversion, IBM SPSS, R
o *Programming Languages*: Java, Python, C, C++, PHP, JavaScript

COURSEWORK

Object Oriented Programming • Discrete Structures • Probability & Statistics • Technical Writing • Operating Systems • Fundamentals of Telecommunications • Systems Security • Foundations of Privacy • Privacy Policy and Law • Usable Privacy & Security • Mobile Security • Engineering

Privacy in Software • Applied Machine Learning • Applied Data Analysis •
Designing Human Centered Software