

## 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 PUBLICATIONS

**Hana Habib**, Yixin Zou, Aditi Jannu, Neha Sridhar, Chelse, Swoopes, Alessandro Acquisti, Lorrie Faith Cranor, Norman Sadeh, Florian Schaub. "An Empirical Analysis of Data Deletion and Opt-Out Choices on 150 Websites." *In Proceedings of the Fifteenth Symposium on Usable Privacy and Security (SOUPS'19)*. 2019.

**Hana Habib**, Neil Shah, and Rajan Vaish. "Impact of Contextual Factors on Snapchat Public Sharing." In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '19). 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 Fourteenth Symposium on Usable Privacy and Security (SOUPS'18)*. 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 Fourteenth Symposium on Usable Privacy and Security (SOUPS'18)*. 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 '17)*. 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 24th ACM Conference on Computer and Communications Security (CCS'17)*. 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 Thirteenth Symposium on Usable Privacy and Security (SOUPS '17)*. 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 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '17)*. 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 Twelfth Symposium on Usable Privacy and Security (SOUPS '16)*. 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 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '16)*. 2016.

**Hana Qudsi** and Maneesh Gupta. "Low-Cost, Thermistor Based Respiration Monitor." *In Proceedings of the 29<sup>th</sup> Southern Biomedical Engineering Conference (SBEC '13)*, pp. 23-24. IEEE, 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 FELLOWSHIPS**

- Participant in the 2017/2018 Privacy Scholars Fellowship Program
- Recipient of the 2017/2018 CyLab Presidential Fellowship
- Recipient of the 2014 Executive Women's Forum Fellowship
- Graduate of NSA's Stokes Educational Scholarship Program

#### **SERVICE**

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

#### **CERTIFICATIONS AND SKILLS**

- IAPP Certified Information Privacy Technologist (CIPT)
- *Frameworks & Tools*: MySQL, Git, Subversion, IBM SPSS, R, PhoneGap
- *Programming Languages*: Java, Python, C, C++, PHP, JavaScript
- *Operating Systems*: OS X, Windows 10, Windows 8, CentOS, Ubuntu, RHEL 6

#### **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