

# HANA T. HABIB

hanahabib.com • htq@cs.cmu.edu

---

## 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**, 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, Florian 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	<p><b>Apple Inc., Cupertino, CA</b>  <u>Privacy Engineering Intern</u></p> <ul style="list-style-type: none"> <li>• Collaborated with teams cross-functionally to ensure privacy-protective feature designs for new and existing Apple products</li> <li>• Developed tools to automate recurring Privacy Engineering tasks</li> <li>• Analyzed reported data to better understand customer privacy needs</li> <li>• Created awareness of privacy-related technology challenges within Apple and proposed novel solutions</li> </ul>
Jan. 2015 – Dec. 2015	<p><b>CMU CyLab Usable Privacy &amp; Security Lab, Pittsburgh, PA</b>  <u>Graduate Research Assistant</u></p> <ul style="list-style-type: none"> <li>• Helped design a user study protocol to investigate effective notification mediums for Internet of Things devices</li> <li>• Modified a PhoneGap Android application to send push notifications containing variations of a privacy notice for a Fitbit device</li> <li>• Facilitated a diary and interview study of online data sharing practices in order to better understand user requirements for applications and services</li> </ul>
June 2013 – July 2016	<p><b>National Security Agency (NSA), Fort George G. Meade, MD</b>  <u>Product Owner, Product Source Node Development Branch</u></p> <ul style="list-style-type: none"> <li>• Implemented generation of additional cryptographic products by a Key Management Infrastructure (KMI)</li> <li>• Managed team work items to ensure progress towards program goals</li> <li>• Provided updates to system components to integrate new KMI capabilities</li> <li>• Virtualized system components for use in the development environment</li> </ul>
<b>SCHOLARSHIPS AND AWARDS</b>	<ul style="list-style-type: none"> <li>○ Awarded a \$50,000 research grant from Facebook</li> <li>○ Participant in the 2019 Rising Stars Workshop</li> <li>○ Participant in the 2017/2018 Privacy Scholars Fellowship Program</li> <li>○ Recipient of the 2017/2018 and 2019/2020 CyLab Presidential Fellowship</li> <li>○ Recipient of the 2014 Executive Women’s Forum Fellowship</li> <li>○ Graduate of NSA’s Stokes Educational Scholarship Program</li> </ul>
<b>SERVICE</b>	<ul style="list-style-type: none"> <li>○ Who Are You!? Adventures in Authentication (WAY’19) Program Committee</li> <li>○ PhD Women@SCS Board (2019)</li> <li>○ Graduate Student Assembly (2019)</li> <li>○ OurCS Conference Committee (2019)</li> <li>○ OurCS Facilitator (2017, 2019)</li> <li>○ INI Alumni Leadership Council Member (2018-)</li> </ul>
<b>CERTIFICATIONS AND SKILLS</b>	<ul style="list-style-type: none"> <li>○ IAPP Certified Information Privacy Technologist (CIPT)</li> <li>○ <i>Frameworks &amp; Tools</i>: MySQL, Git, Subversion, IBM SPSS, R</li> <li>○ <i>Programming Languages</i>: Java, Python, C, C++, PHP, JavaScript</li> </ul>
<b>COURSEWORK</b>	<p>Object Oriented Programming • Discrete Structures • Probability &amp; Statistics • Technical Writing • Operating Systems • Fundamentals of Telecommunications • Systems Security • Foundations of Privacy • Privacy Policy and Law • Usable Privacy &amp; Security • Mobile Security • Engineering Privacy in Software • Applied Machine Learning • Applied Data Analysis • Designing Human Centered Software</p>