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: 3.87

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

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)*. ACM, 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.**

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.

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 29th 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

May 2015 – Aug. 2015

Apple Inc., Cupertino, CA

Intern, Privacy Engineering

- 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 Develpment 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

May 2012 – Aug. 2012

Software Engineering Intern, Cryptographic Innovation Division

- Developed a VHDL implementation of WATARI, a method for secure data distribution to end cryptographic units
- Verified testing procedures used in deployments of Inline Network Encryptors
- Integrated new encryptor models to the testing software suite)

Jan. 2010-May 2012

Creative Machines Lab, Cornell University, Ithaca, NY

Software Engineering Team, Fab@Home 3D Printer Project Team

- Redesigned the printer's software to improve efficiency and printer control
- Programmed a command line interface to test the FabInterpreter library
- Developed a printed circuit board to integrate the printer's milling tool with the main controller board

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

CERTIFICATIONS AND SKILLS

- IAPP Certified Information Privacy Technologist (CIPT)
- *Frameworks & Tools*: PhoneGap, MySQL, Git, Subversion, IBM SPSS, R
- *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