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

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

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.

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 HumanFactors 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

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

National Security Agency (NSA), Fort George G. Meade, MD

June 2013 – July 2016 — 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

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
- Researched and developed a safety enclosure for the printer
- Developed a printed circuit board to integrate the printer's milling tool with the main controller board

SCHOLARSHIPS

- Recipient of the 2014 Executive Women's Forum Fellowship
- 2013 graduate of NSA's Stokes Educational Scholarship Program

SUMMARY AND SKILLS

- IAPP CIPP/CIPT
- *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 • Privacy Engineering • Mobile Security