

HANA T. HABIB

(315) 378-8681 • htq@cs.cmu.edu

RESEARCH AREA

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

EDUCATION

Carnegie Mellon University, School of Computer Science, Pittsburgh, PA

Ph.D in Societal Computing

August 2016 - Present

Carnegie Mellon University, College of Engineering, 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

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

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

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

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 (full tuition)
- 2013 graduate of NSA's Stokes Educational Scholarship Program (full tuition, stipend)

SUMMARY AND SKILLS

- IAPP CIPP/CIPT
- *Programming Languages*: Java, Python, C, C++, Verilog, VHDL, 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