

DR. MARTIN SHELTON

UX Researcher

mshelton@{uci.edu & riseup.net}

ABOUT ME

I conduct research on digital security and safety, especially concerning the press and at-risk users.

EDUCATION

University of California, Irvine

September 2011 - December 2015

Ph.D. & M.S. Information & Computer Science · Informatics

Santa Clara University

September 2007 - June 2011

B.S. Psychology · Cum Laude · Social & Cognitive Psychology

EXPERIENCE

Freedom of the Press Foundation

September 2019 - present

Principal Researcher

San Francisco, CA

- Conducting research to examine harassment of journalists, the adoption of security education at U.S. journalism programs, as well as research into SecureDrop, a tool for secure newsroom communications.
- Leading in the research and development of an exhaustive digital security curriculum for U.S. journalism schools.
- Facilitating digital security trainings for media organizations.
- Leading security editorial, focused on educational security resources for reporters and the public.

Google

March 2017 - August 2019

User Experience Researcher

San Francisco, CA

- Led research on privacy, security, and identity for Google Chrome, which included strategic and evaluative studies into HTTPS indicators, password management, Incognito, identity, and permissions.

The Coral Project, New York Times

March 2016-January 2017

Knight-Mozilla OpenNews Fellow

New York City, NY

- Conducted research with media activists and supportive NGOs on use of user submission systems.
- Conducted usability studies to improve front-end designs for our online community software.
- Conducted research with security experts on avoiding malware distribution in our media-sharing tools.

Google

Summer 2015

Privacy & User Experience Research Intern

Mountain View, CA

- Conducted a study focused on the privacy and security experiences and perspectives of journalists and activists in non-Western countries.

Pew Research Center

Summer 2014

Data Analytics Intern

Washington D.C.

- Assisted in the design and analysis of surveys examining security and privacy habits among U.S. citizens, as well as investigative journalists.
- Collected and analyzed Twitter and Facebook data to examine diffusion of news on social media sites.

Technology, Design, & Culture Lab; Hana Research Lab

September 2011 - December 2015

Research Assistant

Irvine, CA

- Large-scale survey with Dr. Judy Olson into use of Google Apps among university students and staff.
- Qualitative research with Dr. Bonnie Nardi to examine how users of web media forums (e.g., reddit) separate their social lives within and beyond media-sharing websites.

University of California, Irvine

September 2012 - June 2013

Teaching Assistant

Irvine, CA

- Courses: Information Visualization, Project Management, Computer-Supported Cooperative Work.

Twitter

Summer 2012

User Experience Research Intern

San Francisco, CA

- Conducted study to model changes in thousands of users' behavioral metrics over time. The work was subsequently integrated into Twitter's models for user personas.
- Developed Twitter's research infrastructure by recruiting and vetting a dedicated user testing panel.
- Conducted usability studies to improve experimental onboarding and advertising user interfaces.

TECHNICAL & RESEARCH STRENGTHS

Qualitative Methods

Cognitive walkthroughs, interviews, survey design & analysis

Quantitative Methods

Experimental design, survey design & analysis

Technical Skills

Python, SQL, R, SPSS, Tableau, CSS, HTML, JavaScript, Sketch, Figma, Illustrator

PUBLICATIONS

Henrichsen, J. & Shelton, M. (2022b). Boundaries, barriers and champions: Understanding information security education in U.S. journalism schools. In *Journalism Studies*, 2022.

Henrichsen, J. & Shelton, M. (2022a). Expanding the analytical boundaries of mob censorship: How technology and infrastructure enable novel threats to journalists and strategies for mitigation. In *Digital Journalism*, 2022.

Reynolds, J., Kumar, D., Ma, Z., Subramanian, R., Wu, M., Shelton, M., Mason, J., Stark, E., Bailey, M. (2020). Measuring identity confusion with uniform resource locators. In *Proc. CHI*, 2020.

Thompson, C., Shelton, M., Stark, E., Walker, M., Schechter, E., & Porter Felt, A. (2019). The web's identity crisis: Understanding the effectiveness of website identity indicators. In *USENIX Security*.

Sleeper, M., Matthews, T., O'Leary, K., Woelfer, J., Turner, A., Shelton, M., Schou, A., Oplinger, A., & Consolvo, S. (2019). Tough times at transitional homeless shelters: Considering the impact of financial insecurity on digital security and privacy. In *Proc. CHI*, 2019.

Matthews, T., O'Leary, K., Turner, A., Sleeper, M., Woelfer, J. P., Shelton, M., Manthorne, C., Churchill, E. F., & Consolvo, S. (2017). Stories from survivors: Privacy and security practices when coping with intimate partner abuse. In *Proc. CHI*, 2017. · Best Paper Award

Shelton, M. (2015). The role of corporate and government surveillance in shifting journalistic information security practices. *University of California, Irvine, Special Collection and Archives*.

Shelton, M., Rainie, L., Madden, M., Anderson, M., Duggan, M., Perrin, A., & Page, D. (2015). Americans' privacy strategies post-Snowden. *Pew Research Center Internet Project*.

Pew Research Center (2015). Local news in a digital age. *Pew Research Center Journalism Project*.

Shelton, M., Lo, K., & Nardi, B. (2015). Online media forums as separate social lives: A qualitative study of disclosure within and beyond reddit. In *Proc.iConference*, 2015. · Best Paper Nomination

Wang, Y., Echenique, A., Shelton, M., & Mark, G. (2013). A comparative evaluation of multiple chat stream interfaces for information-intensive environments. In *Proc.CHI*, 2013.

Burger, J. M. & Shelton, M. (2011). Changing everyday health behaviors through descriptive norm manipulations. *Social Influence*, 6, 69-77.