

# Yuanyuan Feng

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RESEARCH AREAS	Human-computer interaction; usable privacy & security; privacy-enhancing technologies; applied machine learning/artificial intelligence; ubiquitous computing; health informatics; personal informatics.
TEACHING INTERESTS	Human-computer interaction; usable privacy & security; user interface design; health informatics; mobile and ubiquitous computing; diversity, equity, and inclusion in computing.
ACADEMIC APPOINTMENT	<div><div><b>Assistant Professor</b> Department of Computer Science College of Engineering and Mathematical Sciences <b>University of Vermont</b>, Burlington, VT, USA</div><div>Jul 2021 – present</div></div> <div><div><b>Post-Doctoral Associate</b> Institute for Software Research School of Computer Science <b>Carnegie Mellon University</b>, Pittsburgh, PA, USA</div><div>Jul 2018 – Jun 2021</div></div>
EDUCATION	<div><div><b>Ph.D. in Information Studies</b> College of Computing &amp; Informatics <b>Drexel University</b>, Philadelphia, PA, USA</div><div>Jun 2018</div></div> <div><div><b>M.S. in Information Science</b> School of Information &amp; Library Science <b>University of North Carolina at Chapel Hill</b>, Chapel Hill, NC, USA</div><div>May 2013</div></div> <div><div><b>Bachelor's in Library &amp; Information Science</b> School of Information Management <b>Sun Yat-sen University</b>, Guangzhou, China</div><div>Jun 2011</div></div>
GRANTS AND AWARDS	<div><div><b>Grant: Digital Advertisements for Inclusive Trial Accrual (DAITA)</b> ▪ <b>Role: Co-Investigator</b> (\$820,000 sub-award to the University of Vermont; \$271,000 towards my lab) ▪ A research project funded under American Heart Association (AHA)'s Strategically Focused Research Network Center – Improving Participation Among Diverse Populations in Cardiovascular Clinical Trials (IMPACT) – led by Johns Hopkins University.</div><div>2022– 2026</div></div> <div><div><b>Award: The 12th Annual Privacy Papers for Policymakers Award</b> ▪ Publication J19 was one of six papers awarded by the Future of Privacy Forum.</div><div>2022</div></div>
PUBLICATIONS	<b>COMPETITIVELY PEER-REVIEWED JOURNAL ARTICLES AND CONFERENCE PAPERS</b> [C26] Le, T., Wang, A., Yao, Y., <u>Feng, Y.</u> , Heydarian, A., Sadeh, N., and Tian, Y. (accepted). <b>Exploring smart commercial building occupants' perceptions and notification preferences of Internet of Things data collection in the United States</b> . The 2023 IEEE European Symposium on Security and Privacy (EuroS&P). [C25] *Zhang, S., Shvartzshnaider, Y., <u>Feng, Y.</u> , Nissenbaum, H., and Sadeh, N. (2022). <b>Stop the spread: A contextual integrity perspective on the appropriateness of COVID-19 vaccination certificates</b> . The ACM Conference on Fairness, Accountability, and Transparency (FAccT '22). 1657–1670. [acceptance rate: 25%] [J24] *Zhang, S., <u>Feng, Y.</u> , Yao, Y., Cranor, L. F., and Sadeh, N. (2022). <b>How usable are iOS app privacy labels?</b> . <i>Proceedings on Privacy Enhancing Technologies (PoPETs)</i> , (2022)4, 204-228. [2022 acceptance rate: 24%]

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In the interdisciplinary computing fields I work in, publications in both reputable journals and top-tier conferences undergo a rigorous peer-review process and are therefore highly valued. Author names are generally listed in order of descending effort towards the scientific contribution, with those who funded and managed the work appearing last. Asterisk \* denotes students mentored by me at the time of publication.

- [C23] \*Gardner, J., Feng, Y., Reiman, K., Lin, Z., Jain, A., and Sadeh, N. (2022). **Helping mobile application developers create accurate privacy labels.** The 2022 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW) (pp. 212-230). IEEE.
- [C22] \*Zhang, S., Feng, Y., and Sadeh, N. (2021). **Facial recognition: Understanding privacy concerns and attitudes across increasingly diverse deployment scenarios.** The Seventeenth Symposium on Usable Privacy and Security (SOUPS'21).[acceptance rate: 26%]
- [J21] \*Smullen, D., Yao, Y., Feng, Y., Sadeh, N., Edelstein, A., & Weiss, R. (2021). **Managing potentially intrusive practices in the browser: A user-centered perspective.** *Proceedings on Privacy Enhancing Technologies (PoPETS)*, 2021(4), 500-527. [2021 acceptance rate: 19%]
- [C20] Feng, Y., Yao, Y., and Sadeh, N. (2021). **A Design space for privacy choices: Towards meaningful privacy control in the Internet of Things.** The ACM CHI Conference on Human Factors in Computing Systems (CHI'2021). [acceptance rate: 26.3%]
- [J19] \*Zhang, S., Feng, Y., Bauer, L., Cranor L.F., Das, A., and Sadeh, N. (2021). **Did you know this camera tracks your mood? Modeling people's privacy expectations and preferences in the age of video analytics.** *Proceedings on Privacy Enhancing Technologies (PoPETS)*, 2021(2), 282-304. [2021 acceptance rate: 19%] 🏆 **The 12th Annual Privacy Papers for Policymakers Award**
- [J18] Kim, M.C., Feng, Y., and Zhu, Y. (2021). **Mapping scientific profile and knowledge diffusion of Library Hi Tech.** *Library Hi Tech*, 39(2), 549-573. [2018 JCR impact factor:1.256]
- [C17] Colnago, J., Feng, Y., Palanivel, T., Pearman, S., Ung, M., Acquisti, A., Cranor, L.F., and Sadeh, N. (2020). **Informing the design of a personalized privacy assistant for the Internet of Things.** The ACM CHI Conference on Human Factors in Computing Systems (CHI'2020). [acceptance rate: 24.3%]
- [C16] \*Kumar, V.B., Iyengar, R., Nisal, N., Feng, Y., Habib, H., ..., and Sadeh, N. (2020). **Finding a choice in a haystack: Automatic extraction of opt-out statements from privacy policy text.** The Web Conference (WWW'2020). [acceptance rate: 19%]
- [J15] Shin, G., Feng, Y., Gafinowitz, N. and Jarrahi, M.H. (2020). **Improving patient engagement by fostering the sharing of activity-tracker data with providers: A qualitative study.** *Health Information and Libraries Journal*, 37(3), 204-215.[2018 JCR impact factor:1.179]
- [J14] \*Smullen, D., Feng, Y., Zhang, S., and Sadeh, N. (2020). **The best of both worlds: Mitigating trade-offs between accuracy and user burden in capturing mobile app privacy preferences.** *Proceedings on Privacy Enhancing Technologies (PoPETS)*, 2020(1), 195-215. [2020 acceptance rate: 23%]
- [J13] Feng, Y. (2019). **The enhanced participant-driven photo elicitation method for everyday life health information behaviour research.** *Aslib Journal of Information Management*, 71(6), 720-738. [2018 JCR impact factor:1.702]
- [J12] Feng, Y., and Agosto, D.E. (2019). **Revisiting personal information management through information practices with activity tracking technology.** *Journal of the Association for Information Science and Technology*, 70(12),1352-1367. [2018 JCR impact factor:2.738]
- [J11] Feng, Y., & Agosto, D.E. (2019). **From health to performance: Amateur runners' personal health information management with activity tracking technology.** *Aslib Journal of Information Management*, 71(2), 217-240. [2018 JCR impact factor:1.702]
- [C10] \*Zhang, S., Schaub, F., Feng, Y., and Sadeh, N. (2019). **"It only tells me how I slept, not how to fix it": Exploring sleep behaviors and opportunities for sleep technology.** In *Proceedings of the iConference 2019* (pp.754-766), Washington, DC, March 31-April 3, 2019. [acceptance rate: 34%]
- [J9] Shin, G., Feng, Y., Jarrahi, M.H., and Gafinowitz, N. (2018). **Beyond novelty effect: A mixed-methods exploration into the motivation for long-term activity tracker use.** *JAMIA Open*, 2(1), 62–72. [A Golden Open Access journal of the American Medical Informatics Association]
- [C8] Caro, K., Feng, Y., Day, T., Freed, E. Fox, B., & Zhu, J. (2018). **Understanding the effect of existing positive relationships on a social motion-based game for health.** In *Proceedings of the 12th EAI International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth)*. New York, NY, May 21-24, 2018. [acceptance rate: 24%]
- [J7] Feng, Y., & Richards, L. (2018). **A review of digital curation professional competencies: Theory and current practices.** *Records Management Journal* 28(1), 62-78.

- [C6] Feng, Y., Li, K., and Agosto, D.E. (2017). **Healthy users' personal health information management from activity trackers: The perspective of gym-goers.** In *Proceedings of the 80th Annual Meeting of Association for Information Science & Technology (ASIS&T)* (pp.72-81). Washington, DC, October 27 - November 1, 2017. [acceptance rate: 38%]
- [J5] Li, K., Yan, E., and Feng, Y. (2017). **How is R cited in research outputs? Structure, impacts, and citation standard.** *Journal of Informetrics*, 11(4), 989–1002. [JCR impact factor: 3.484]
- [C4] Feng, Y., and Agosto, D.E. (2017). **A survey on management of personal health information from activity trackers.** In *Proceedings of the iConference 2017* (pp.370-377), Wuhan, China, March 22-25, 2017.
- [J3] Feng, Y., and Agosto, D.E. (2017). **The experience of mobile information overload: Struggling between needs and constraints.** *Information Research*, 22(2), paper 754. [JCR impact factor: 0.762; acceptance rate: 35%]
- [C2] Richards, L., Townes, A., and Feng, Y. (2014). **Curation through the back door: Enabling big data curation capabilities in a non-archival organization.** In *Proceedings of the 2014 Archival Education and Research Institute*, Pittsburgh, PA, July 14-18, 2014.
- [J1] Wu, L., and Feng, Y., (2010). **The applications and development strategies of SNS in libraries.** *Library and Information Service*, 54(19), 24-27. [A core information science journal in Chinese]

#### PEER-REVIEWED SHORT PAPERS, EXTENDED ABSTRACTS, PANELS AND POSTERS (SELECTED)

- [S7] Feng, Y., Ravichander, A., Yao, Y., Zhang, S., and Sadeh, N. (2022). **Exploring and improving the accessibility of data privacy-related information for people who are blind or low-vision.** The 7th Workshop on Inclusive Privacy and Security (WIPS'22).
- [S6] Ilhan, A., Feng, Y., Fietkiewicz, K.J., & Eikey, E.V. (2020). **Opportunities and challenges of self tracking technologies: Understanding information, technology, and users through the lens of information science.** In *Proceedings of the Association for Information Science & Technology (ASIS&T)*, 2020.
- [S5] Sadeh, N., Feng, Y., Donnell, J., & Misra, G. (2019) **A Privacy Infrastructure for Notice and Choice in the Internet of Things.** Poster/Demo at the Fifteenth Symposium on Usable Privacy and Security (SOUPS 2019), Santa Clara, CA, August 11-13, 2019.
- [S4] Zimmeck, S., Story, P., Goldstein, R., Baraka, D., Li, S., Feng, Y., & Sadeh, N. (2019) **Compliance Traceability: Privacy Policies as Software Development Artifacts.** Poster/Demo at the Open Day for Privacy, Usability, and Transparency (PUT 2019), Stockholm, Sweden, July 15, 2019.
- [S3] Zhu, J., Feng, Y., Furqan, A., Gray, R.C., Day, T., Nebolsky, J., & Caro, K. (2018). **Towards extending social exergame engagement with agents.** In *Proceedings of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)*, Jersey City, NJ, November 3-7, 2018.
- [S2] Kim, M. C., Feng, Y., Zhu, Y., & Ping, Q. (2015) **Quantitative exploration into the diffusion process of creative ideas in economics: Noble Prize laureates.** In *Proceedings of the 78th Annual Meeting of Association for Information Science & Technology (ASIS&T)*, St. Louis, MO, November 6-10, 2015.
- [S1] Feng, Y. & Agosto, D. E. (2014). **Overwhelmed by smartphones? A qualitative investigation into mobile information overload.** In *Proceedings of the 77th Annual Meeting of Association for Information Science & Technology (ASIS&T)*, Seattle, WA, November 1-4, 2014.

#### PRESENTATIONS & TALKS

#### SELECTED CONFERENCE PRESENTATIONS

- Feng, Y., Yao, Y., & Sadeh, N. (2021). "Designing meaningful privacy choice experiences for users". Referred talk at the 2021 Conference on Privacy Engineering Practice and Respect (PEPR'21). June 10-11, 2021 (virtual).

#### TEACHING

#### INSTITUTIONS & COURSES

**Department of Computer Science, University of Vermont**  
**Instructor/Course Developer**

Aug 2021 – present

- CS 2880: Inclusive Computing (to be offered in Spring '24)
- CS 295/395: Usable Privacy and Security (Spring '22 '23)

- CS 228: Human-Computer Interaction (Fall '22 '21)

## College of Computing & Informatics, Drexel University

### Instructor/Teaching Fellow

Mar 2016 – Dec 2017

- INFO 649 (Online): Library Programming (Spring '16 '17, Fall '16 '17)
- INFO 753 (Online): Introduction to Digital Curation (Summer '16 '17, Winter '17)

### Teaching Assistant

Jun 2015 – Mar 2016

- INFO 608: Human-Computer Interaction (Summer '15)
- INFO 649: Library Programming (Fall '15)
- INFO 753: Digital Curation (Winter '16)

### Guest Lecturer

Jan 2018 – Mar 2020

- INFO 215: Social Aspects of Information Systems (Winter '18 '20)
- INFO 679: Information Ethics (Winter '18)

## TEACHING CERTIFICATES

- **Quality Matters APPQMR Certificate** 2017  
Applying the QM rubric for online course assessment

## SERVICE & MEMBERSHIPS

### CONFERENCE ORGANIZING

- **Workshop Organizer** 2022  
PIM 2022: Successful Aging with Our Information and Our Information Tools
- **Minitrack Chair** 2019 – 2020  
The 53th Hawaii International Conference on System Sciences (HICSS)

### JOURNAL EDITING

- **Special Issue Guest Editor** 2019 – 2020  
Aslib Journal of Information Management [2018 JCR impact factor:1.702]

### JOURNAL AND CONFERENCE REVIEWING

- **Proceedings on Privacy Enhancing Technologies (PoPETS)** (papers) 2022 – present
- **ACM IMWUT/UbiComp** (papers) 2021 – present
- **ACM CSCW Conference** (papers) 2021 – present
- **ACM CHI Conference** (papers, case studies, late-breaking work) 2017 – present
- **ASIS&T Annual Meeting** (papers, visual presentations) 2017 – 2020
- **iConference** (papers, posters, workshops) 2016 – 2021
- **Library & Information Science Research** 2021
- **Journal of Librarianship & Information Science** 2020
- **Information Research** 2018

### COMMUNITY ENGAGEMENT AND LEADERSHIP

- **Organizer** 2019 – 2021  
SCS Women Postdoc Group, Carnegie Mellon University
- **Mentor** 2019 – 2021  
Women@SCS PhD Mentoring, Carnegie Mellon University
- **Mentor** 2017 – 2018  
Drexel University Women in Computing Society (WiCS) Mentorship Program
- **Co-President** 2016 – 2017  
Drexel University College of Computing and Informatics Doctoral Student Association (CCIDSA)

### PROFESSIONAL ASSOCIATIONS

- **The Association for Computing Machinery (ACM)**
- **The Association for Information Science and Technology (ASIS&T)**

## TECHNOLOGY SKILLS

- **Programming:** Python, HTML5, CSS3, JavaScript, MySQL, Flutter/Dart
- **User Interface Design:** Figma, Pencil, Sketch, Balsamiq Mockup
- **Statistics:** SPSS, R
- **Others:** L<sup>A</sup>T<sub>E</sub>X, Blackboard, BrightSpace, Canvas

[CV compiled on 2023-03-17]