Yuanyuan Feng

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RESEARCH AREAS	Human-computer interaction; data privacy; usable privacy & security; Internet of Things (IoT) privacy; health informatics; trustworthy artificial intelligence (AI)/machine learning (ML).
TEACHING	Human-computer interaction; usable privacy & security; diversity, equity, and inclusion in computing.

ACADEMIC APPOINTMENT

Assistant Professor — Jul 2021 – present
Department of Computer Science
College of Engineering and Mathematical Sciences
University of Vermont, Burlington, VT, USA

Post-Doctoral Associate — Jul 2018 – Jun 2021
Institute for Software Research (now Software and Societal Systems)
School of Computer Science
Carnegie Mellon University, Pittsburgh, PA, USA

EDUCATION

Ph.D. in Information Studies — Jun 2018
College of Computing & Informatics
Drexel University, Philadelphia, PA, USA

M.S. in Information Science — May 2013
School of Information & Library Science
University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

Bachelor's in Library & Information Science — Jun 2011
School of Information Management
Sun Yat-sen University, Guangzhou, China

GRANTS AND AWARDS

National Science Foundation (NSF) Award: A Contextual Integrity Approach for Privacy Reasoning Regarding Performance Tracking Technologies in US College Athletics — 2024– 2026
- **Principal Investigator (PI)**; $175,000 awarded to the University of Vermont.

American Heart Association (AHA) Grant: Digital Advertisements for Inclusive Trial Accrual (DAITA) (funded under AHA's Strategically Focused Research Network Center) — 2022– 2026
- **Co-Investigator (Co-I)**; $832,828 awarded to the University of Vermont; $271,000 towards my lab.

The 12th Annual Privacy Papers for Policymakers Award — 2022
- Publication J19 was one of six papers awarded by the Future of Privacy Forum.

PUBLICATIONS

COMPETITIVELY PEER-REVIEWED JOURNAL ARTICLES AND CONFERENCE PAPERS

[M29] Feng, Y., *Stenger, J., and Zhang, S. (manuscript under review/preprint). **Post-pandemic data privacy: Contextual acceptance of COVID-19 mitigation mobile applications in the US**.

[M28] *Ngong, I.C., *Stenger, J., Near, J.P., and Feng, Y. (manuscript under review/preprint). **Evaluating the usability of differential privacy tools with data practitioners**.

[C27] Feng, Y., Ravichander, A., Yao, Y., Zhang, S., Chen, R., Wilson, S., and Sadeh, N. (2024). **Understanding how to inform blind and low-vision users about data privacy through privacy question answering assistants**. 33rd USENIX Security Symposium (USENIX Security '24).

[C26] Le, T., Wang, A., Yao, Y., Feng, Y., Heydarian, A., Sadeh, N., and Tian, Y. (2023). **Exploring smart commercial building occupants' perceptions and notification preferences of Internet of Things data collection in the United States**. IEEE European Symposium on Security and Privacy. (EuroS&P). [acceptance rate: 35%]

Notes on publications: In the interdisciplinary computing fields I work in, publications in both reputable journals [J] and top-tier conferences [C] undergo a rigorous peer-review process and therefor are 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.

[C25] *Zhang, S., Shvartzshnaider, Y., Feng, Y., Nissenbaum, H., and Sadeh, N. (2022). **Stop the spread: A contextual integrity perspective on the appropriateness of COVID-19 vaccination certificates**. The ACM Conference on Fairness, Accountability, and Transparency (FAccT '22). 1657–1670. [acceptance rate: 25%]

[J24] *Zhang, S., Feng, Y., Yao, Y., Cranor, L. F., and Sadeh, N.(2022). **How usable are iOS app privacy labels?**. *Proceedings on Privacy Enhancing Technologies (PoPETS)*, (2022)4, 204-228. [2022 acceptance rate: 24%]

[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. [2022 JIF: 3.4]

[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. [2022 JIF:3.8]

[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. [2022 JIF:2.6]

[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. [2022 JIF:3.5]

[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. [2022 JIF:2.6]

[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. [2022 JIF:2.1]

[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**. *Proceedings of the 12th EAI International Conference on Pervasive Computing Technologies for Healthcare* (PervasiveHealth'18) [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**. *Proceedings of the 80th Annual Meeting of Association for Information Science & Technology* (ASIS&T) (pp.72-81).

[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. [JIF: 3.484]

[C4] Feng, Y., and Agosto, D.E. (2017). **A survey on management of personal health information from activity trackers**. *Proceedings of the iConference 2017* (pp.370-377),

[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. [JIF: 0.8]

[C2] Richards, L., Townes, A., and Feng, Y. (2014). **Curation through the back door: Enabling big data curation capabilities in a non-archival organization**. *Proceedings of the 2014 Archival Education and Research Institute*,

[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)

[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)

[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)*

[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)

[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)

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**

University of Vermont – Department of Computer Science

Instructor & Course Creator   Aug 2021 – present

- **CS 2880: Inclusive Computing (Catamount Core Diversity D2: Fall'23)**
- CS 6550: Usable Privacy and Security (Spring '24 '23 '22)
- CS 3280: Human-Computer Interaction (Fall '23 '22 '21)

Drexel University – College of Computing & Informatics

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)

TEACHING CERTIFICATES

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

SERVICE & MEMBERSHIPS

CONFERENCE PROGRAM COMMITTEES

- **The 6th Annual Symposium on Application of Contextual Integrity**   2024
- **The 20th Symposium on Usable Privacy and Security (USENIX SOUPS'24)**   2024
- **Symposium on Usable Security (USEC) at NDSS 2024**   2023– 2024
- **PIM Workshop: Successful Aging with Our Information and Our Information Tools** 2022
- **Minitrack Chair for the 53th Hawaii International Conference on System Sciences** 2019 – 2020

JOURNAL EDITING

- **Guest Editor, Aslib Journal of Information Management** [2022 JIF:2.6]   2019 – 2020
  – Special Issue on "Emerging Perspectives on Health Information Needs"

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)

SKILLS

- **Programming**: Python, HTML5, CSS3, JavaScript, MySQL, Flutter/Dart
- **User Interface Design**: Figma, Pencil, Sketch, Balsamiq Mockup
- **Learning Management Systems**: Blackboard, Brightspace, Canvas.
- **Languages**: English, Chinese, Español.

[CV compiled on 2024-04-28]