

Yuanyuan Feng

Yuanyuan.Feng@uvm.edu • Google Scholar • <https://www.yuanyuanfeng.com>

RESEARCH AREAS	Human-centered security & privacy; data privacy; Internet of Things privacy; human-computer interaction; health & medical informatics; responsible artificial intelligence (AI).
TEACHING	Usable privacy & security; human-computer interaction; 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 Drexel University , Philadelphia, PA, USA M.S. in Information Science May 2013 University of North Carolina at Chapel Hill , Chapel Hill, NC, USA Bachelor's in Library & Information Science Jun 2011 Sun Yat-sen University , Guangzhou, China
GRANTS AND AWARDS	Face the Fight (sub-award) – Business Partnerships to Prevent Veteran Suicide: Increasing Uptake of Discounted Firearm Secure Storage Devices Through Online Advertising 2025– 2026 ▪ Co-Investigator (Co-I) ; \$108,000 awarded to the University of Vermont. National Science Foundation (NSF) Award – A Novel Mechanism for Effective and Accountable Communication of Differential Privacy through Multi-Stakeholder Research 2024– 2027 ▪ Principal Investigator (PI) ; \$599,994 awarded to the University of Vermont. 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) (A project under AHA's IMPACT Strategically Focused Research Network Center) 2022– 2026 ▪ Co-Investigator (Co-I) ; \$832,828 awarded to the University of Vermont; \$271,000 towards my lab.
PUBLICATIONS	COMPETITIVELY PEER-REVIEWED JOURNAL ARTICLES AND CONFERENCE PAPERS [J34] *Harry, T., Cao, J., Hussain, Z., Turkson-Ocran, R.A., Juraschek, S. P., ... and Feng, Y. (accepted). Guide on Selection of Optimal Motivational Themes for Use in a Clinical Trial Recruiting Black US Adults: A Survey Study . <i>Journal of Medical Internet Research</i> . [2025 JIF: 6.0] [J33] *Dibia, O., *Lu, M., Bhattacharjee, P., Near, J., and Feng, Y. (accepted). "We need a standard": Toward an expert-informed privacy label for differential privacy . To appear in <i>Proceedings on Privacy Enhancing Technologies (PoPETS)</i> , 2026(1). [J32] *Harry, T., Hussain, Z., Cao, J., Turkson-Ocran, R.A., Juraschek, S.P., ... and Feng, Y. (2025). Randomized comparison of online motivational themes in clinical trial recruitment . To appear in <i>Circulation: Cardiovascular Quality and Outcomes</i> , 18(12). [2024 JIF: 6.7]

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 therefore 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.

- [J31] *Dibia, O., Bhattacharjee, P., *Stenger, B., Baldasty, S., Bates, M., Ngong, I., Feng, Y., and Near, J. (2025). **SoK: Usability studies in differential privacy**. *Proceedings on Privacy Enhancing Technologies (PoPETS)*, 2025(4), 881-895. [2025 acceptance rate: 26%]
- [J30] Feng, Y., *Stenger, J., and Zhang, S. (2024). **Contextual acceptance of COVID-19 mitigation mobile apps in the United States: Mixed methods survey study on postpandemic data privacy**. *Journal of Medical Internet Research*, 2024(26):e57309. [2024 JIF: 5.8]
- [C29] Agosto, D.E., Abbas, J.M., Feng, Y. Salib, G., Cox, E.D., and Munyao, M.M. (2024). **We were beaten down”: Parents’ concerns about children’s digital media use**. Proceedings of the the 87th Annual Meeting of the Association for Information Science & Technology (ASIS&T’24). [acceptance rate: 32%] 🏆 **Best Information Behavior Conference Paper**
- [C28] *Ngong, I.C., *Stenger, J., Near, J.P., and Feng, Y. (2024). **Evaluating the usability of differential privacy tools with data practitioners**. The 12th Symposium on Usable Privacy and Security (USENIX SOUPS ’24). [acceptance rate: 21%]
- [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**. The 33rd USENIX Security Symposium (USENIX Security ’24). [acceptance rate: 17.6%-19.1%]
- [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%]
- [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).
- [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 (USENIX 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.** *Proceedings of the iConference 2019* (pp.754-766), [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'17)*. (pp. 72-81).[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. [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 2017 iConference*. (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)

- [S10] *Stenger, B. and Feng, Y. (2024). **Information flows for athletes' health and performance data.** *The 6th Annual Symposium on Applications of Contextual Integrity*.
- [S9] Feng, Y., *Stenger, B., and Zhang, S. (2024). **Post-Pandemic contextual acceptance of COVID-19 mitigation mobile applications in the US.** *The 6th Annual Symposium on Applications of Contextual Integrity*.
- [S8] Feng, Y. and *Stenger, B. (2023). **Applying contextual integrity to elicit acceptance towards COVID mitigation mobile applications in the US.** *The 5th Annual Symposium on Applications of Contextual Integrity*.

- [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., & Eikev, E.V. (2020). Opportunities and challenges of self tracking technologies: Understanding information, technology, and users through the lens of information science. 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. 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. 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. Proceedings of the 77th Annual Meeting of Association for Information Science & Technology (ASIS&T).

TEACHING

INSTITUTIONS & COURSES

University of Vermont – Department of Computer Science

Instructor & Course Creator

Aug 2021 – present

- CS 6550: Usable Privacy and Security (Spring '26 '25 '24 '23 '22)
- CS 3280: Human-Computer Interaction (Fall '25 '23 '22 '21)
- CS 2880: Inclusive Computing (Catamount Core Diversity D2: Fall'23)

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)

SERVICE

CONFERENCE CHAIRS AND PROGRAM COMMITTEES

- **Annual Symposium on Application of Contextual Integrity** 2024, 2026
- **Symposium on Usable Privacy and Security (USENIX SOUPS)** 2024 – 2025
- **Symposium on Usable Security (NDSS USEC)** 2023 – 2025
- **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 CSCW Conference** (papers) 2021 – present
- **ACM CHI Conference** (papers, case studies, late-breaking work) 2017 – present
- **ACM IMWUT/Ubicomp** (papers) 2021 – 2022
- **ASIS&T Annual Meeting** (papers, visual presentations) 2017 – 2020
- **iConference** (papers, posters, workshops) 2016 – 2021

[CV compiled on 2026-01-04]