

# Yuanyuan Feng

5000 Forbes Avenue, TCS Hall 442, Pittsburgh, PA 15213, USA  
yuanyuanfeng@cmu.edu • http://www.yuanyuanfeng.com

<b>RESEARCH AREAS</b>	Human-centered computing; usable privacy; privacy-enhancing technologies; applied machine learning; ubiquitous computing; pervasive health; health informatics; personal informatics; information behavior.
<b>TEACHING INTERESTS</b>	Human-computer interaction; human-centered system design; privacy theories and technologies; user experience design; ubiquitous computing; web and mobile development; information science foundation.
<b>ACADEMIC APPOINTMENT</b>	<b>Post-Doctoral Associate</b> Jul 2018 – present Institute for Software Research School of Computer Science <b>Carnegie Mellon University</b> , Pittsburgh, PA, USA
<b>EDUCATION</b>	<b>Ph.D. in Information Studies</b> Jun 2018 College of Computing & Informatics <b>Drexel University</b> , Philadelphia, PA, USA <ul style="list-style-type: none"><li>▪ Dissertation: Managing Personal Health Information from Activity Trackers: The Healthy Users' Perspective</li><li>▪ Committee: Dr. Denise E. Agosto (chair), Dr. Robert Capra, Dr. Lorraine Richards, Dr. Michelle Rogers, Dr. Jichen Zhu</li></ul> <b>M.S. in Information Science (ALA-accredited)</b> May 2013 School of Information & Library Science <b>University of North Carolina at Chapel Hill</b> , Chapel Hill, NC, USA <ul style="list-style-type: none"><li>▪ Thesis: The Mobile Version of the University of North Carolina at Chapel Hill Library Catalog and Its Users</li><li>▪ Thesis Advisor: Dr. Bradley Hemminger</li></ul> <b>Bachelor's Degree in Library Science</b> Jun 2011 School of Information Management <b>Sun Yat-sen University</b> , Guangzhou, China <ul style="list-style-type: none"><li>▪ Outstanding Graduates (2011, 5%)</li><li>▪ National Scholarship of China (2009, 2%)</li></ul>
<b>HONORS &amp; AWARDS</b>	<b>SCHOLARSHIPS AND FELLOWSHIPS</b> <ul style="list-style-type: none"><li>▪ <b>Belver C. Griffith Memorial Endowed Scholarship</b> 2017 For academic excellence in library and information science field at Drexel University (\$3500)</li><li>▪ <b>School of Information and Library Science Fellowship</b> 2012 For academic excellence at School of Information and Library Science, UNC – Chapel Hill (\$2500)</li><li>▪ <b>National Scholarship of China</b> 2009 Awarded by Ministry of Education of the People's Republic of China (2%)</li><li>▪ <b>Shang Chengzuo Endowed Scholarship</b> 2008, 2010 For academic excellence in library science major at Sun Yat-sen University (5%)</li><li>▪ <b>First Prize Scholarship</b> 2008, 2009, 2010 For academic excellence at Sun Yat-sen University (5%)</li></ul> <b>AWARDS AND COMPETITIONS</b> <ul style="list-style-type: none"><li>▪ <b>ASIS&amp;T Student Design Competition, First Place</b> 2015 Awarded by the 78th Annual Meeting of Association for Information Science &amp; Technology (ASIS&amp;T)</li><li>▪ <b>Outstanding Graduate Award</b> 2011 As an outstanding graduate of Sun Yat-sen University (5%)</li></ul> <b>TRAVEL AWARDS</b> <ul style="list-style-type: none"><li>▪ <b>HCIC Travel Award</b>, Human-Computer Interaction Consortium 2017</li><li>▪ <b>International Travel Award</b>, Office of International Programs, Drexel University 2017</li><li>▪ <b>Travel Award for ACM CHI</b>, Graduate College, Drexel University 2016</li><li>▪ <b>Travel Award for Grace Hopper Celebration</b>, WiCS, Drexel University 2015</li><li>▪ <b>Travel Awards</b>, Department of Information Science, Drexel University 2014, 2015, 2018</li></ul>

## RESEARCH EXPERIENCE

### Institute for Software Research, Carnegie Mellon University

- Postdoctoral Research Associate (Supervisor: Dr. Norman Sadeh) Jul 2018 – present
  - Project: “The Personalized Privacy Assistant Project” (funded by the Defense Advanced Research Projects Agency)

### College of Computing & Informatics, Drexel University

- Research Assistant (with Dr. Denise E. Agosto) Oct 2017 – Jun 2018
  - Project: “Navigating Screens: Libraries as Community Hubs for Teaching Positive Screen Media Practices” (funded by the Institute of Museum and Library Services)
- Research Assistant (with Dr. Lorraine Richards) Sep 2013 – Jun 2015
  - Project: A government contract to design a technical data curation system for the Federal Aviation Administration’s William J. Hughes Technical Center, Atlantic City, NJ.

### Westphal College of Media Arts & Design, Drexel University

- Research Assistant (with Dr. Jichen Zhu) Sep 2016 – Jun 2018
  - Project: *StepQuest* – a social motion-based game for health to promote young adults’ daily physical activity.

### School of Information & Library Science, University of North Carolina at Chapel Hill

- Graduate Research Assistant (with Dr. Bradley Hemminger) Aug 2012 – May 2013
  - Project: Optimizing the UNC mobile library catalog

### School of Information Management, Sun Yat-sen University

- Undergraduate Research Assistant (with Dr. Lin Wu) Sep 2009 – Sep 2010
  - Project: *Empirical Study on Library 2.0 Information Services and System Reconstruction*, funded by the National Social Science Foundation of China.

## PUBLICATIONS

### COMPETITIVELY PEER-REVIEWED JOURNAL ARTICLES AND CONFERENCE PAPERS

- [C18] Colnago, J., Feng, Y., Palanivel, T., Pearman, S., Ung, M., Acquisti, A., Cranor, L., & 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).
- [C17] \*Kumar, V.B., Iyengar, R., Nisal, N., Feng, Y., Habib, H., ..., & 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%]
- [J16] Kim, M.C., Feng, Y., & Zhu, Y. (2020, early view). **Mapping scientific profile and knowledge diffusion of Library Hi Tech**. *Library Hi Tech*. [2018 JCR impact factor:1.256]
- [J15] Shin, G., Feng, Y., Gafinowitz, N. & 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., & 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)*. [2019 acceptance rate: 22%]
- [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., & 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., & 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%]

---

In the interdisciplinary 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.

- [J9] Shin, G., Feng, Y., Jarrahi, M.H., & 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. [in Emerging Sources Citation Index (ESCI)]
- [C6] Feng, Y., Li, K., & 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., & 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., & 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., & 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., & 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., & 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 POSTERS, DEMOS, AND EXTENDED ABSTRACTS

- [P5] 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.
- [P4] 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.
- [P3] 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.
- [P2] 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.
- [P1] 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.

#### OTHER ABSTRACTS AND WORKSHOP PAPERS (LIGHTLY PEER-REVIEWED)

- [O3] Feng, Y. (2018). **Managing personal health information from activity trackers: The healthy users' perspective.** Poster selected to the Jean Tague-Sutcliffe Doctoral Student Poster Competition at the 2018 Association for Library and Information Science Education Conference (ALISE), Denver, CO, February 6-9, 2018.

- [O2] Feng, Y., & Agosto, D.E. (2016). **Long-term management of personal health information generated by activity trackers.** Position Paper at the Workshop on Personal Information Management at the ACM Conference on Human Factors in Computing Systems (CHI), San Jose, CA, May 7-8, 2016.
- [O1] Richards, L., Regli, W. C., Townes, A., & Feng, Y. (2014). **Scientific data curation in government agencies: Teaching agency data creators how to develop an OAIS-compliant digital curation system.** Poster presented at the Society of American Archivists (SAA) 2014 Research Forum in Washington, DC, August 10-16, 2014.

#### DOCTORAL COLLOQUIA (LIGHTLY PEER-REVIEWED)

- [D2] Feng, Y. (2017). **Managing personal health information from activity trackers: The healthy users' perspective.** Selected to attend the Doctoral Colloquium at ASIS&T 2017, Washington, DC, October 31, 2017.
- [D1] Feng, Y. (2017). **The management of personal health information from activity trackers.** Selected to attend the Doctoral Colloquium at iConference 2017, Wuhan, China, March 25, 2017.

#### NON-REFEREED PUBLICATIONS AND TECHNICAL REPORTS

- [N1] Richards, L., Regli, W.C., Townes, A., Feng, Y., & Mansheim, A. (2016). **Developing curation capacity and systems at the William J. Hughes Technical Center: Final report.** Government contract DTFAC-12-A-80003 from William J. Hughes Technical Center of the Federal Aviation Administration, Atlantic City, NJ.

#### PRESENTATIONS & TALKS

##### REFERRED CONFERENCE PRESENTATIONS

- Feng, Y. (2017). "Managing personal health information from activity trackers". Referred oral presentation at Drexel Emerging Graduate Scholars Conference. April 27, 2017. Philadelphia, PA. [acceptance rate: 17.6%]
- Feng, Y., & Agosto, D. E. (2014). "Context in mobile information overload". Referred presentation at SIGUSE Research Symposium at the 77th Annual Meeting of Association for Information Science and Technology (ASIS&T). November 1, 2014. Seattle, WA.

##### INVITED TALKS AND PRESENTATIONS

- Feng, Y. (2017). "Personal health information management from activity trackers". Invited talk at Drexel University Scholars Share. November 17, 2017. Philadelphia, PA.
- Feng, Y. (2017). "Designing activity tracking technology in support of personal health information management". Invited Talk at Drexel University Women in Computing Society (WiCS) Ph.D. Lightning Talks. November 13, 2017. Philadelphia, PA.
- Feng, Y. (2016). "Long-term management of personal health information generated by activity trackers". Invited talk at CHI@Drexel 2016. April 27, 2016. Philadelphia, PA.
- Feng, Y. (2014). "Overwhelmed by smartphones? An investigation into mobile Information overload". Presentation at the Drexel University Research Day. April 10, 2014. Philadelphia, PA.

#### TEACHING EXPERIENCE

##### POSITIONS

###### Instructor/Doctoral Teaching Fellow

College of Computing & Informatics, Drexel University 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

College of Computing & Informatics, Drexel University 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

College of Computing & Informatics, Drexel University 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

### JOURNAL EDITING

- **Guest Editor** 2019 – 2020  
Special Issue on “Emerging Perspectives on Health Information Needs”  
Aslib Journal of Information Management [2018 JCR impact factor:1.702]

### CONFERENCE ORGANIZING

- **Co-Chair** 2019 – 2020  
Mintrack on health information behavior and activity tracking technology  
The 53th Hawaii International Conference on System Sciences (HICSS)

### REVIEWING

- **Information Research** (an international electronic journal) 2018
- **ACM CHI Conference** (case studies, late-breaking work) 2017 – 2020
- **ASIS&T Annual Meeting** (papers, visual presentations) 2017 – 2020
- **iConference** (papers, posters, workshops) 2016 – 2020

### COMMUNITY ENGAGEMENT AND LEADERSHIP

- **Co-Organizer** 2019 – present  
SCS Women Postdoc Group, Carnegie Mellon University
- **Mentor** 2019 – present  
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)
- **Treasurer & Co-Founder** 2014 – 2016  
Drexel University College of Computing and Informatics Doctoral Student Association (CCIDSA)
- **Treasurer** 2014 – 2015  
Drexel University Student Chapter of Association for Information Science and Technology (ASIS&T)

### PROFESSIONAL ASSOCIATIONS

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

### HONOR SOCIETIES

- **Upsilon Pi Epsilon**  
The International Honor Society for the Computing and Information Disciplines

## TECHNOLOGY SKILLS

- **Programming:** Python, Flutter/Dart, HTML5, CSS3, JavaScript, C
- **UX Design:** Sketch, Balsamiq Mockup
- **Databases:** MySQL, Oracle, Access
- **Statistics:** SPSS, R
- **Others:** L<sup>A</sup>T<sub>E</sub>X, Blackboard

## LANGUAGES

- **English** (bilingual)
- **Chinese** (native)

[CV compiled on 2020-10-26]