

KATIE O'LEARY

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RESEARCH INTERESTS


I do research with diverse and marginalized populations to design technologies. My research in industry and academia has informed the design of patient-centered interventions, peer-to-peer psychotherapy, and online privacy.

EDUCATION

- 2012- Present Ph.D. Candidate Information Science
University of Washington, Seattle, WA
Advisors: Jacob O. Wobbrock and Wanda Pratt
- 2008-2010 Masters of Library and Information Studies
University of British Columbia, Vancouver, British Columbia
- 2004-2007 B.A. Music
McGill University, Montreal, Quebec


PUBLICATIONS

Selected Refereed Conference Papers (Full)

 **Stories from Survivors: Privacy & Security Practices when Coping with Intimate Partner Abuse.** In Proceedings of the 2017 ACM Conference on Computer Human Interaction (CHI '17). ACM, New York, NY, USA. *Best paper award winner.*
Matthews, T., O'Leary, K., Turner, A., Sleeper, M., Woelfer, J.P., Shelton, M., Manthorne, C., Churchill, E.F., Consolvo, S.

Design Opportunities for Mental Health Peer Support Technologies. In Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '17). ACM, New York, NY, USA, 1470-1484.
O'Leary, K., Bhattacharya, A., Munson, S.A., Wobbrock, J.O., and Pratt, W. (2017).

Persuasive Reminders for Health Self-Management. AMIA Annual Symposium Proceedings, 2016, 994–1003. *Nominated for a Distinguished Paper Award.*
O'Leary, K., Liu, L., McClure, J. B., Ralston, J., & Pratt, W. (2016).

 **Understanding patients' health and technology attitudes for tailoring self-management interventions.** AMIA Annual Symposium Proceedings, 2015, 991–1000.
Best paper Homer R. Warner Award, outstanding contribution to biomedical informatics.

O'Leary, K., Vizer, L., Eschler, J., Ralston, J., & Pratt, W. (2015).

Understanding design tradeoffs for health technologies: A mixed-methods approach. In Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems (CHI '15). ACM, New York, NY, USA, 4151-4160.

O'Leary, K., Eschler, J., Kendall, L., Vizer, L.M., Ralston, J.D., Pratt, W. (2015).

Q-methodology as a research and design tool for HCI. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '13). Paris, France (April 27-May 2, 2013). New York: ACM Press, pp. 1941-1950.

O'Leary, K., Riskin, A., and Wobbrock, J.O. (2013).

Selected Refereed Conference Papers (with Posters)

Peer-to-peer psychotherapy tools. Proceedings of the International Society for Research on Internet Interventions Scientific Meeting (ISRII '16).

O'Leary, K. Dixon, M., Toomim, M., Wobbrock, J.O., Pratt, W. (2016).

RESEARCH GRANT WRITING

National Science Foundation

ADVANCE Institutional Transformation: LEAD-it-Yourself! A Networked Adaptive Learning Community of Leaders in Higher Education. [HRD-1310305]: \$699,881. Riskin, E. Yen, J., Spyridakis, J., O'Leary, K. (2013-2018).

Intel

Vid2Speech: Video-Assisted Communication for People with Autism. Intel External Programs: \$30,000.

Riskin, E., O'Leary, K. (2012).

RESEARCH EXPERIENCE

Summer 2016 **Google Inc., Material Design Team UX Research Intern**

Hosts: Tao Dong, Elizabeth Churchill

Developed a design kit for exploring ecologically valid constraints on the design of cross-device and multi-device experiences. Synthesized “digital trace” data from a large ethnographic field study, and codified insights into elements of the design kit, including scenarios, personas, and a context-shifting framework. This work will be published at DIS 2017.

Summer 2015 **Google Inc., Privacy Research and Design Team UX Research Intern**

Hosts: Tara Matthews, Sunny Consolvo, and Anna Turner

Conducted 35 interviews with survivors of intimate partner abuse to explore their privacy concerns and strategies. Presented at Internapalooza and the Google UX Workshops series. Reported in WIRED magazine.

<https://www.wired.com/2017/02/tech-can-help-survivors-abuse-heres-start/>

- 2014-
2017 **Group Health Research Institute**
PI James Ralston; Co-PI Wanda Pratt, Information School
Conducted research using many design and ethnographic methods (e.g., interviews, futures workshops) to inform the design of health reminders for chronic disease management. http://imed.ischool.uw.edu/?page_id=99
- 2013-
2014 **Qollate**
Advisor Jacob O. Wobbrock, Information School
Designed a web application, called Qollate, for researchers and designers to elicit and understand conflicting and consensus opinions of technology stakeholders. <https://www.qollate.org/>
- 2012-
2014 **UW ADVANCE Center for Institutional Change**
PI Eve A. Riskin, College of Engineering
Interviewed female STEM professors about the challenges they face and strategies they use to persevere in STEM careers. Helped to design an online community for higher education leaders across the nation to promote diversity in STEM. <http://advance.washington.edu/liy/>
- 2011-
2012 **Vid2Speech**
PI Eve A. Riskin, College of Engineering
PI Richard Ladner, Computer Science and Engineering
Designed a communication application for autistic children to learn and express verbs using video icons. <http://vid2speech.org/>
- 2011-
2012 **MobileASL**
PI Eve A. Riskin, College of Engineering
PI Richard Ladner, Computer Science and Engineering
PI Jacob O. Wobbrock, Information School
Conducted a field evaluation of a mobile video application with Deaf young adults. <http://mobileasl.cs.washington.edu/index.html>

TEACHING EXPERIENCE

- Spring
2017 **INFX 565 User, Service, and Customer Experience Design**
Teaching assistant for Prof. Jacob Wobbrock, Information School
Graded student work covering philosophical and practical foundations of experience design. Mentored students' project work on designing experiences.
- Winter
2017 **IMT 540 Design Methods for Interactive Systems**
Teaching assistant for Prof. David Hendry, Information School
Taught classes and studios about design methods (e.g., personas, scenarios) and evaluated work. Mentored students' project work on value-sensitive design of autonomous vehicles. Received outstanding TA scores.

PROFESSIONAL SERVICE

- 2017 Co-founded the UW chapter of Design for America
- 2017 Co-organized the first internal doctoral colloquium for HCI PhD students
- 2016-17 UW DUB (the HCI community) student coordinator and diversity representative
- 2012-17 Reviewer for ACM Human Factors in Computing Systems (CHI)

AWARDS

- 2017 SIGCHI Best Paper Award (top 1%)
- 2015 American Medical Informatics Association Homer R. Warner Award (top paper)
- 2014 Harlan Hahn Endowment Fund
- 2009 American Society for Information Science & Technology Best Student Paper
- 2009 European Union Erasmus Mundus Scholarship
- 2007 Catherine M. Shaw Prize (best paper in English Literature)
- 2006 James McGill Scholarship (top 5% of students)
- 2006 Georgina Hunter McGill Alumnae Scholarship (top 5% of women)
- 2001-03 University of Victoria School of Music Performance Scholarship