

RICHMOND Y. WONG

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ACADEMIC APPOINTMENTS

Postdoctoral Scholar

2020-Present

University of California, Berkeley, Center for Long-Term Cybersecurity
Co-Supervisors: Steve Weber, James Pierce

EDUCATION

PhD in Information Management and Systems

July 2020

University of California, Berkeley, School of Information
Dissertation: *Values by Design Imaginaries: Exploring Values Work in UX Practice*
Committee: Deirdre Mulligan (chair), Jenna Burrell, John Chuang, Abigail De Kosnik

B.A. in Science & Technology Studies, and Information Science

May 2014

Cornell University
Summa cum laude in Science & Technology Studies, cum laude in Information Science

PUBLICATIONS

JOURNAL ARTICLES AND CONFERENCE PROCEEDINGS (peer reviewed)

Richmond Y. Wong, Vera Khovanskaya, Sarah E. Fox, Nick Merrill, Phoebe Sengers. (2020). Infrastructural Speculations: Tactics for Designing and Interrogating Lifeworlds. In *Proc. of the ACM Conference on Human Factors in Computing Systems (CHI 2020)*. [<https://doi.org/10.1145/3313831.3376515>]

James Pierce, Nick Merrill, **Richmond Y. Wong**. (2020). Sensor Illumination: Exploring the Design Qualities and Ethical Implications of Always-On/Often-Sensing Smart Cameras Using Lighting Analogies and Speculative Designs. In *Proc. of the ACM Conference on Human Factors in Computing Systems (CHI 2020)*. [<https://doi.org/10.1145/3313831.3376347>]

Sandjar Kozubaev, Chris Elsdon, Noura Howell, Marie Louise Juul Søndergaard, Nick Merrill, Britta Schulte, **Richmond Y. Wong**. (2020). Expanding modes of Reflection in Design Futuring. In *Proc. of the ACM Conference on Human Factors in Computing Systems (CHI 2020)*. [<https://doi.org/10.1145/3313831.3376526>]

Deirdre K. Mulligan, Joshua A. Kroll, Nitin Kohli, **Richmond Y. Wong**. (2019). This Thing Called Fairness: Disciplinary Confusion Realizing a Value in Technology. *Proceedings of the ACM Human Computer Interaction 3*, CSCW, Article 119 (November 2019). [<https://doi.org/10.1145/3359221>]

Sarah Fox, Noura Howell, **Richmond Wong** and Franchesca Spektor. (2019). Vivewell: Speculating Near-Future Menstrual Tracking through Current Data Practices. In *Proc. of the ACM Conference on Designing Interactive Systems (DIS 2019)*. [<https://doi.org/10.1145/3322276.3323695>]

Richmond Y. Wong and Deirdre K. Mulligan. (2019). Bringing Design to the Privacy Table: Broadening "Design" in "Privacy by Design". In *Proc. of the ACM Conference on Human Factors in Computing Systems (CHI 2019)*. [<https://doi.org/10.1145/3290605.3300492>]

*Honorable Mention Award

James Pierce, Sarah Fox, Nick Merrill and **Richmond Y. Wong**. (2018). Differential Vulnerabilities and a Diversity of Tactics: What Toolkits Teach us about Cybersecurity. *Proceedings of the ACM Human Computer Interaction 2*, CSCW, Article 139 (November 2018). [<https://doi.org/10.1145/3274408>]

Richmond Y. Wong, Nick Merrill and John Chuang. (2018). When BCIs have APIs: Design Fictions of Everyday Brain-Computer Interface Adoption. In *Proc. of the ACM Conference on Designing Interactive Systems (DIS 2018)*.

[<https://doi.org/10.1145/3196709.3196746>]

*Honorable Mention Award.

James Pierce, Sarah Fox, Nick Merrill, **Richmond Y. Wong** and Carl DiSalvo. (2018). An Interface without A User: An Exploratory Design Study of Online Privacy Policies and Digital Legalese. In *Proc. of the ACM Conference on Designing Interactive Systems (DIS 2018)*. [<https://doi.org/10.1145/3196709.3196818>]

Richmond Y. Wong, Deirdre K. Mulligan, Ellen Van Wyk, James Pierce and John Chuang. (2017). Eliciting Values Reflections by Engaging Privacy Futures Using Design Workbooks. *Proceedings of the ACM Human Computer Interaction 1*, CSCW, Article 111 (November 2017). [<https://doi.org/10.1145/3134746>]

*Best Paper Award

Richmond Y. Wong, Ellen Van Wyk, James Pierce. (2017). Real-Fictional Entanglements: Using Science Fiction and Design Fiction to Interrogate Sensing Technologies. In *Proc. of the ACM Conference on Designing Interactive Systems (DIS 2017)*. [<https://doi.org/10.1145/3064663.3064682>]

Steven Weber, **Richmond Y. Wong**. (2017). The new world of data: Four provocations on the Internet of Things. *First Monday* 22(2). [<https://doi.org/10.5210/fm.v22i2.6936>]

Richmond Y. Wong, Deirdre K. Mulligan. (2016). These Aren't the Autonomous Drones You're Looking for: Investigating Privacy Concerns through Concept Videos. *Journal of Human-Robot Interaction* 5(3).

[<https://doi.org/10.5898/JHRI.5.3.Wong>]

Richmond Y. Wong, Deirdre K. Mulligan. (2016). When a Product Is Still Fictional: Anticipating and Speculating Futures through Concept Videos. In *Proc. of the ACM Conference on Designing Interactive Systems (DIS 2016)*.

[<https://doi.org/10.1145/2901790.2901801>]

Richmond Y. Wong, Steven J. Jackson. (2015). Wireless Visions: Infrastructure, Imagination, and U.S. Spectrum Policy. In *Proc. of the ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2015)*.

[<https://doi.org/10.1145/2675133.2675229>]

*Honorable Mention Award

BOOK CHAPTERS (editor review)

Elaine Sedenberg, **Richmond Y. Wong**, John Chuang. (2018). A Window into the Soul: Biosensing in Public. *Surveillance, Privacy and Public Space*. Bryce Clayton Newell, Tjerk Timan, Bert-Jaap Koops (eds.). Routledge.

[<https://doi.org/10.4324/9781315200811-5>]

Richmond Y. Wong, Vera Khovanskaya. (2018). Speculative Design in HCI: From Corporate Imaginations to Critical Orientations. *New Directions in Third Wave Human-Computer Interaction: Volume 2 - Methodologies (Human Computer Interaction Series)*. Michael Filimowicz and Veronika Tzankova (Eds). Springer. [https://doi.org/10.1007/978-3-319-73374-6_10]

POSTERS AND WORKSHOP PAPERS (light peer review)

Richmond Y. Wong. (May 2019). Ethics Strikebreaking: Reflecting on Values & Ethics in Design Practice with Design Fiction. CHI Workshop, CHI4Evil: Creative Speculation on the Negative Effects of HCI Research. Workshop position paper. Available at <https://www.dropbox.com/s/smt3ru625fuvyj2/CHI4Evil%20-%20Wong%2C%20Ethics%20Strikebreaking%20-%202019-04-16%20final.pdf?dl=0>

Richmond Y. Wong, Deirdre K. Mulligan. (November 2018). Using A Multi-Dimensional Analytic for Privacy Theory, Design, and Analysis. CSCW Workshop on Privacy in Context: Critically Engaging with Theory to Guide Privacy Research and Design. Workshop position paper. Available at

https://networkedprivacycscw2018.files.wordpress.com/2018/10/wong_2018_using-a-multi-dimensional-analytic-for-privacy-theorypdf.pdf

Richmond Y. Wong, Deirdre K. Mulligan, and John Chuang. (September 2017). "Using science fiction texts to surface user reflections on privacy." Poster. In *Proceedings of the 2017 ACM International Joint Conference on Pervasive and*

Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers (UbiComp '17), Wailea, HI. <https://doi.org/10.1145/3123024.3123080>

Rena Coen, Jennifer King, **Richmond Wong**. (June 2016). The Privacy Policy Paradox. SOUPS 2016, Workshop on Privacy Indicators. Workshop position paper. Available at https://www.usenix.org/system/files/conference/soups2016/wpi16_paper-coen.pdf

Richmond Y. Wong, Deirdre K. Mulligan. (May 2016). Using Concept Videos and Speculative Design with Privacy by Design. CHI Workshop on Bridging the Gap between Privacy by Design and Privacy in Practice. Workshop position paper. Available at <https://networkedprivacy2016.files.wordpress.com/2015/11/wong-mulligan-pbd-workshop-position-paper-camera-ready.pdf>

INVITED TALKS AND PRESENTATIONS

Richmond Wong. (September 2019). "Privacy/Values by Design Imaginaries." Presentation. *4S 2019*. New Orleans, LA.

Richmond Wong, Nick Merrill. (March 2019). "Engaging Speculative Practices to Probe Values & Ethics in Sociotechnical Systems." Session for Interactivity & Engagement. *iConference 2019*. College Park, MD.

Richmond Wong. (May 2018). "Interrogating "Design" in "Privacy by Design" Through the Lens of Human Computer Interaction." Paper workshop. *Privacy Law Scholars Conference*. Washington DC.

Richmond Wong. (September 2017). "Exploring Biosensing Privacy Futures with Design Fiction and Science Fiction." Presentation. *4S 2017*. Boston, MA.

Richmond Wong, Lauren Kilgour. (December 2016). "Performing Algorithms: TED Talks and Public Understandings of (Computer) Science." Presentation. *Algorithms in Culture Conference*. Berkeley, CA

Richmond Wong, Deirdre Mulligan. (August 2016). "Framing Future Privacy Concerns through Corporate Concept Videos." Presentation. *4S/EASST 2016*. Barcelona, Spain.

Deirdre Mulligan, Leslie Harris, Sebastian Benthall, **Richmond Wong**. (October 2015). "What Really Happened After the Battle Against SOPA and PIPA?" Presentation. *Computers, Freedom, and Privacy Conference*. Washington, D.C.

Richmond Wong. (April 2015). "Big Data: Narratives of the Crowd and the Cloud." Presentation. *STGlobal*. Washington, D.C.

WHITE PAPERS, REPORTS, AND ADDITIONAL WRITING

Nicholas Doty, Ann Drobnis, Deirdre Mulligan, **Richmond Wong**. (February 2015). Privacy by Design – State of Research and Practice: Workshop 1 Report. Report. Available at <http://cra.org/ccc/events/pbd-state-of-research-and-practice/>

Nicholas Doty, **Richmond Wong**. (February 2015). Privacy by Design Workshop: Concepts and Connections. Report. Available at <http://www.cccb.org/2015/02/17/privacy-by-design-workshop-concepts-and-connections/>

TEACHING EXPERIENCE

INFO 239: Technology and Delegation

School of Information, UC Berkeley, Berkeley, California

Co-Instructor with Professor Deirdre Mulligan

Fall 2018

Co-Instructor with Professor Deirdre Mulligan

Fall 2017

Topics include: Values in design, technology and public policy, engineering and design. Covers literature from HCI, design, science and technology studies, computer science, law, and ethics.

INFO 203: Social and Organizational Aspects of Information

School of Information, UC Berkeley, Berkeley, California

Graduate Student Instructor for Professor Jenna Burrell

Mar 2018 – May 2018

Graduate Student Instructor for Professor Jenna Burrell

Jan 2016 – May 2016

Topics include: Theories of technology and society, work practice studies, online communities and networked publics, and digital inequality.

INFO 1300: Introductory Design and Programming for the Web

Cornell University, Ithaca, New York

Recitation/Lab Teaching Assistant for Professor Dan Cosley

Fall 2013

Recitation/Lab Teaching Assistant for Professor Tanzeem Choudhury

Fall 2012

Grading Teaching Assistant for Professor Tanzeem Choudhury

Fall 2011*Topics include: HTML, CSS, PHP, user testing, design techniques, responsive design*

GUEST LECTURES

Design Module (3 sessions): Values in Design; User Centered Design & Values**Oct 2019****Sensitive Design; Critically Oriented Design Approaches**

INFO 239: Technology and Delegation

UC Berkeley, Berkeley, California

Concepts of Privacy**Oct 2019**

INFO 188: Behind the Data: Humans and Values

UC Berkeley, Berkeley, California

Privacy and Data**Feb 2020, Sep 2019,**

HIST C182C/STS C100: Human Contexts and Ethics of Data

Feb 2019, Sep 2018,

UC Berkeley, Berkeley, California

Feb 2018**Speculative Design and Design Fiction****Apr 2019**

NWMEDIA 198: Beyond Design Thinking

UC Berkeley, Berkeley, California

Obfuscation Techniques**Sep 2018**

INFO 188: Behind the Data: Humans and Values

UC Berkeley, Berkeley, California

Exploring Biosensing Privacy Futures with Design Fiction**Oct 2017**

INFO 290: Mind-Reading and Telepathy for Beginners & Intermediates

School of Information, UC Berkeley, Berkeley, California

Design Thinking with Critical Design**Oct 2016**

INFO 290: Technology and Delegation

School of Information, UC Berkeley, Berkeley, California

HONORS AND FELLOWSHIPS

Berkeley Center for Technology, Society & Policy Fellow, *UC Berkeley***2018 - 2020**Outstanding Graduate Student Instructor Award, *UC Berkeley Graduate Division***2018**Berkeley Center for Long Term Cyber Security Fellow, *UC Berkeley***2016 - 2019**

NSF Graduate Student Fellowship: Computing & Information Science & Engineering –

2016 - 2019Computer Security and Privacy, *National Science Foundation*The Berkeley Fellowship for Graduate Study, *UC Berkeley***2014 - 2016**Tallman Prize for research paper in history of science, *Science & Technology Studies***2013***Department, Cornell University*Phi Beta Kappa Honor Society, *Cornell University***2013**Fulbright Summer Institute Participant, *Roehampton University, London, United Kingdom***2011**

PROFESSIONAL ACTIVITIES AND SERVICE

Co-organizer, Workshop. Robert Soden, Laura Devendorf, Richmond Wong , Lydia Chilton, Ann Light, Yoko Akama. "Embracing Uncertainty in HCI." <i>ACM Conference on Human Factors in Computing (CHI'20)</i>	Apr 2020
Co-Organizer, Workshop. Yaxing Yao, Chhaya Chouhan, Richmond Wong , Pardis Emani-Naeini, Nick Merrill, Xinru Page, Yang Wang, Pamela Wisniewski. "Ubiquitous Privacy: Research and Design for Mobile and IoT Platforms." <i>ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '19 Companion)</i> .	Nov 2019
Co-Organizer, Workshop. Nick Merrill, Richmond Wong , Noura Howell, Luke Stark, Lucian Leahu, Dawn Nafus. "Interrogating Biosensing in Everyday Life." <i>ACM Conference on Designing Interactive Systems (DIS '17)</i> .	Jun 2017
Co-Organizer, Richmond Wong , Anne Jonas. Matrix Prospecting Research Team: Assembling Critical Theory and Practices in Design and the Social Sciences. <i>Social Science Matrix, UC Berkeley</i> .	Aug 2016 – Dec 2016
Co-Organizer, Workshop on the Future of Privacy Notices and Indicators: Will Drones Deliver My Privacy Policy? <i>SOUPS 2016, Denver, Colorado</i> .	June 2016
Associate Chair, Papers, ACM DIS Conference	2020
Associate Chair, Design Fictions, ACM GROUP Conference	2020
Associate Chair, Provocations and Works-in-Progress, ACM DIS Conference	2019
Associate Chair, Papers, Design Subcommittee, ACM CHI Conference	2019
Reviewer, ACM CHI Play Conference (Works in Progress)	2019
Reviewer, ACM CSCW Conference (Papers)	2018, 2019, 2020
Reviewer, ACM CHI Conference (Papers and Notes)	2017, 2018, 2020
Reviewer, ACM DIS Conference (Papers and Notes; Pictorials)	2017, 2018, 2019
Reviewer, Foundations and Trends in Human Computer Interaction	2017
Reviewer, IEEE Security & Privacy	2016
Reviewer, International Journal of Human-Computer Studies	2016
Mentoring undergraduate students to create a course syllabus for a DeCal (student-led) course on speculative design and STS at UC Berkeley: NWMEDIA 198: Beyond Design Thinking; Tonya Nguyen, Lian Song, Kevin Pham, Marissa Wu	Spring 2019
Undergraduate student mentoring: Tonya Nguyen	Fall 2019
Masters student mentoring: Ellen Van Wyk	2016-2017
PRIOR RESEARCH EXPERIENCE	
Cornell University, Ithaca, NY With Professor Phoebe Sengers, Information Science Culturally Embedded Computing Group <i>Values, progress, and IT: Using history to assess and inspire technology</i>	Jan 2014 – May 2014
Carnegie Mellon University, Pittsburgh, PA With Professor Jason Hong, Human Computer Interaction Institute <i>PrivacyGrade: raising awareness of smartphone app behaviors</i>	May 2013 – Aug 2013
Cornell University, Ithaca, NY	Aug 2012 – May 2014

With Professor Steven Jackson, Information Science
Building Broadband Infrastructure

Cornell University, Ithaca, NY
With Professors Phoebe Sengers and Gilly Leshed, Information Science
Busyness and Information Technologies

Jan 2011 – Jun 2011

RELATED EXPERIENCE

White House Office of Science & Technology Policy, Washington D.C.
Intern

May 2012 – Aug 2012

PRESS

Quoted in *ZDNet*, “The weird future of brain-computer interfaces”, commenting on work related to potential data harms related to BCI use in the workplace

Dec 2019

Quoted *Risk Management Magazine*, “The Risks of Pregnancy-Tracking Apps”, commenting on work related to privacy and menstrual tracking technologies.

Aug 2019