Camille Cobb

Postdoctoral Researcher, CyLab Security and Privacy Institute,
Carnegie Mellon University, Pittsburgh, PA 15213, USA

EDUCATION

University of Washington   Seattle, WA
Ph.D., Computer Science and Engineering   June 2019
M.S., Computer Science and Engineering   June 2014

PEER-REVIEWED PUBLICATIONS

- "I would have to evaluate their objections": Privacy tensions between smart home device owners and incidental users. Camille Cobb, Sruti Bhagavatula, Kalil Anderson Garrett, Alison Hoffman, Varun Rao, Lujo Bauer. *In submission.*

- Would You Rather: A Focus Group Method for Eliciting and Discussing Formative Design Insights with Children. Lucy Simko, Britnie Chin, Sungmin Na, Harkiran Kaur Saluja, Tian Qi Zhu, Tadayoshi Kohno, Alexis Hiniker, Jason Yip, Camille Cobb. Interaction Design and Children (IDC) June 2021.

- Tianshi Li, Camille Cobb, Jackie (Junrui) Yang, Sagar Baviskar, Yuvraj Agarwal, Beibei Li, Lujo Bauer, Jason I. Hong. What Makes People Install a COVID-19 Contact-Tracing App? Understanding the Influence of App Design and Individual Difference on Contact-Tracing App Adoption Intention. *To appear at the Special Issue "IoT for Fighting COVID-19" of Elsevier Pervasive and Mobile Computing (PMC) Journal. arXiv preprint at arxiv.org/abs/2012.12415.*

- "You Gotta Watch What You Say": Surveillance of Communication with Incarcerated People. Kentrell Owens, Camille Cobb, Lorrie Cranor. Conference on Human Factors in Computing Systems (CHI) May 2021. *Best paper honorable mention (top 5%)*

- How Risky Are Real Users' IFTTT Applets? Camille Cobb, Milijana Surbatovich, Anna Kawakami, Mahmood Sharif, Lujo Bauer, Anupam Das, Limin Jia. Symposium on Usable Privacy and Security (SOUPS) August 2020.

- A Privacy-Focused Systematic Analysis of Online Status Indicators. Camille Cobb, Lucy Simko, Tadayoshi Kohno, Alexis Hiniker. Privacy Enhancing Technologies Symposium (PETS) July 2020.

- User Experiences with Online Status Indicators. Camille Cobb, Lucy Simko, Tadayoshi Kohno, Alexis Hiniker. Conference on Human Factors in Computing Systems (CHI) April 2020.

- How Public Is My Private Life? Privacy in Online Dating. Camille Cobb, Tadayoshi Kohno. International World Wide Web Conference (WWW) April 2020.

- Computer security for data collection technologies. Camille Cobb*, Samuel Sudar*, Nicholas Reiter, Richard Anderson, Franziska Roesner, and Tadayoshi Kohno. Development Engineering, Volume 3, 2018. Journal version of prior work presented at ICTD '16.

- Computer Security for Data Collection Technologies. Camille Cobb*, Samuel Sudar*, Nicholas Reiter, Richard Anderson, Franziska Roesner, and Tadayoshi Kohno. International Conference on Information & Communication Technologies and Development (ICTD) June 2016.

- Designing for the deluge: understanding & supporting the distributed, collaborative work of crisis volunteers. Camille Cobb, Ted McCarthy, Annuska Perkins, Ankitha Bharadwaj, Jared Comis, Brian Do, and Kate Starbird. ACM Conference on Computer Supported Cooperative Work (CSCW) February 2014.

- Leveraging user-privilege classification to customize usage-based statistical models of web applications. Sara Sprenkle, Camille Cobb, and Lori Pollock. Fifth International Conference on Software Testing, Verification and Validation (ICST) April 2012.

MENTORING STUDENT RESEARCHERS

- **Kentrell Owens**, CMU CyLab Masters Student (Currently PhD student at UW Allen School), August 2019 - January 2021

- **Diva-Oriane Marty**, CMU CyLab Undergraduate (First year), June 2020 - September 2020

- **Shrutika Ruhela**, CMU CyLab Undergraduate (Fourth year), January 2020 - May 2020

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*Denotes equal contributions, listed in alphabetical order

- **Alison Hoffmann**, CMU CyLab Undergraduate (Second year), August 2019 - December 2019
- **Varun Rao**, CMU CyLab Masters Student, August 2019 - December 2019
- **Anna Kawakami**, Wellesley College Undergraduate (Second year) and CyLab REU participant, June 2019 - August 2019
- **Clemend Zhong**, UW Allen School Undergraduate (First year), July 2018 - February 2019
- **Kayla Butler**, UW Allen School Undergraduate (First/Second year), July 2017 - July 2018

PROFESSIONAL SERVICE

- **Program committee member**, Workshop on Privacy in the Electronic Society (WPES) 2020
- **Program committee member**, USENIX Security Symposium 2021
- **Program committee member**, Privacy Enhancing Technologies Symposium (PETS) 2021, 2022
- **Poster session co-chair**, Symposium on Usable Privacy and Security (SOUPS) 2021
- **Provided external or sub-reviews for**: Network and Distributed System Security Symposium (NDSS), IEEE Secure Development Conference (SecDev), Symposium on Usable Privacy and Security (SOUPS), Privacy Enhancing Technologies Symposium (PETS), Designing Interactive Systems (DIS)
- **Invited Participant** at IEEE Workshop on IoT Security Building Code, May 2017

TEACHING EXPERIENCE

University of Washington, Paul G. Allen School of Computer Science and Engineering
Teaching Assistant, CSE 564 (Graduate Computer Security and Privacy)   Winter 2018
Teaching Assistant, CSE 484 (Undergraduate Computer Security and Privacy)   Fall 2016

Other Teaching Experience:
Teaching Assistant, UW Dance 237 (Ballroom Dance)   Spring 2019
Group Leader for a UW HCDE Directed Research Group   2013-2014

OUTREACH AND COMMUNITY INVOLVEMENT

Education, Diversifying Participation in Computer Science

- Guest Speaker at CSE Summer Camp and Engineering Exploration Program, 2018
- Security and Privacy lightning talk for Undergraduate Summer Research Seminar, 2018
- Mentor to undergraduate women in CSE, 2016 - 2017
- Volunteer for annual UW CSE Computing Open House, 2014-2017
- Mentor and Mentor Coordinator for the Paul Allen Computing Challenge, 2014 and 2015
- Volunteer undergraduate tutor for CSE 312 (Foundations of Computing II), 2015
- Computer science outreach presentation at Seattle middle school, 2012

Department Service
Service to the department (now the Paul G. Allen School) through coordinating weekly social events (2013–2014) and contributing to department-wide networking, outreach, recruitment, diversity and inclusion, and social events.

Other

- Volunteer at Greyhound Dog Rescue, 2013 - 2014
- Volunteer at Therapeutic Horseback Riding Facility, 2008 - 2012

PRESENTATIONS

Conference Talks

- <u>Camille Cobb</u>, Milijana Surbatovich, Anna Kawakami, Mahmood Sharif, Lujo Bauer, Anupam Das, Limin Jia. "How Risky Are Real Users' IFTTT Applets?" August 2020 at SOUPS.
- <u>Camille Cobb</u>, Lucy Simko, Tadayoshi Kohno, Alexis Hiniker. "A Privacy-Focused Systematic Analysis of Online Status Indicators." July 2020 at PoPETS.
- <u>Camille Cobb</u>, Tadayoshi Kohno. "How Public Is My Private Life? Privacy in Online Dating." April 2017 at WWW.
- <u>Camille Cobb</u>, Ted McCarthy, Annuska Perkins, Ankitha Bharadwaj, Jared Comis, Brian Do, and Kate Starbird. "Designing for the deluge: understanding & supporting the distributed, collaborative work of crisis volunteers." Feb 2014 at CSCW.

Invited Talks
- <u>Camille Cobb</u>. "Peer-to-Peer Privacy in Social and Communications Applications." February 2019 at Indiana University's Security & Privacy in Informatics, Computing, and Engineering (SPICE) center
- <u>Camille Cobb</u>. "Privacy in Online Dating." November 2017 at Seattle Science Slam to a general audience.

Lightning Talks
- <u>Camille Cobb</u>. "Presentations of Security and Privacy on Television." August 2018 at USENIX Security & Privacy.

Posters
- <u>Camille Cobb.</u> "How Risky Are Real Users' IFTTT Applets?" CyLab Partners Conference. September 2020.
- <u>Camille Cobb.</u> "Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications." SIGCSE Student Research Competition. March 2012.
- <u>Camille Cobb</u> and Sara Sprenkle. "Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications. CRA/CDC NSF Site Visit." September 2011.
- <u>Camille Cobb</u> and Sara Sprenkle. "Toward a User-Session Dependency Model for Automatically Testing Web Applications." Tapia Celebration of Diversity in Computing. April 2011.
- Katie Baldwin, <u>Camille Cobb</u>, Carrie Hopkins, Sara Sprenkle, and Lori Pollock. "Exploring Data Models for Automatically Generating Tests for Web Applications." Grace Hopper Celebration of Women in Computing. September 2009.

PRESENTATIONS

National Research Awards
- NSF Graduate Research Fellowship (2014)
- CRA Outstanding Undergraduate Researcher Award Honorable Mention (2012)

Other Research Awards
- Winner of USENIX Security & Privacy Lightning Talk (2018)

Scholarships
- UW CSE Educator's Fellowship
- National Merit Scholar
- Virginia Foundation of Independent Colleges Grant
- Holbrook Scholarship

WORK EXPERIENCE

Academic Work and Undergraduate Research Experience
- Postdoctoral Researcher in CMU's CyLab   July 2019-Present
- Distributed Research Experience for Undergraduates (DREU): "Medical Process Visualization." Advised by Lori Clarke at UMass Amherst. Summer 2011.

- Collaborative Research Experience for Undergraduates (CREU): "Dynamic Analysis of Web Application Access Logs for Software Testing." Advised by Sara Sprenkle. 2010-2011.

- DREU: "Investigating Data Models for Automatically Generating Tests for Web Applications." Advised by Sara Sprenkle and Lori Pollock at University of Delaware. Summer 2009. //

- Senior Honors Thesis: "Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications" Advised by Sara Sprenkle. 2011-2012

Industry Work Experience

- Software Engineering Intern with Google's Geo-Oceans Team. Summer 2013 and 2014.

REFERENCES

Available upon request.