

Camille Cobb

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- RESEARCH SUMMARY** I am broadly interested in computer Security & Privacy and HCI. My thesis research focuses on understanding how users' expectations of privacy may be violated by other users of social and communication applications, without leveraging special privileges or technical skills.
- EDUCATION**
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|---|-------------|
| University of Washington , Seattle, Washington, USA | |
| Doctor of Philosophy (Ph.D.), Computer Science and Engineering | In Progress |
| Master of Science (M.S.), Computer Science and Engineering | 2014 |
| Washington and Lee University , Lexington, Virginia, USA | |
| Bachelor of Arts (B.A.), Computer Science | 2012 |
| Bachelor of Science (B.S.), Physics | 2012 |
| Minor, German | |
- HONORS/AWARDS**
- 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
RE Lee Scholarship
Holbrook Scholarship
- Other Awards**
National Honor Society
Phi Beta Kappa Honor Society
Phi Eta Sigma Honor Society
Sigma Pi Sigma Physics Honor Society
W&L Physics Sophomore Student of the Year
- IN-PROGRESS PUBLICATIONS**
- "Large-scale Study of User Understanding and Preferences for Social Privacy Features in Messaging Applications." [Camille Cobb](#), Karl Koscher, Katharina Reinecke, and Tadayoshi Kohno.
- "Design Space Analysis and Implications of Online Status Indicators in Mobile Applications." [Camille Cobb](#), Lucy Simko, Alexis Hiniker, and Tadayoshi Kohno.
- "Portrayals of Security on Television from the 1970s to Now: How Mass Media Reflects and Informs User Beliefs." [Camille Cobb](#), Clemend Zhong, and Tadayoshi Kohno.
- PEER-REVIEWED PUBLICATIONS**
- "How Public Is My Private Life? Privacy in Online Dating." [Camille Cobb](#), Tadayoshi Kohno. 26th International World Wide Web Conference (WWW '17) Apr 2018.
- "Computer security for data collection technologies." [Camille Cobb*](#), Samuel Sudar*, Nicholas Reiter, Richard Anderson, Franziska Roesner, and Tadayoshi Kohno. Development Engineering, Volume 3, 2018 (available Dec 2017). 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 '16) Jun 2016. Journal version appears in Development Engineering 2018 (full publication information above).

*Denotes equal contributions, listed in alphabetical order

“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. 17th ACM Conference on Computer Supported Cooperative Work (CSCW '14) Feb 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 '12) Apr 2012.

STUDENTS **Clemend Zhong**, UW Allen School Undergraduate (First year) Jul 2017 – Present
Kayla Butler, UW Allen School Undergraduate (First/Second year) Jul 2017 – Jul 2018

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
Group Leader for a UW HCDE Directed Research Group 2013-2014
Student Assistant for Introductory CS Lab at Washington and Lee Winter 2010

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 UW CSE Computing Open House 2014, 2015, 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
Women in Technology and Science Physics Chair (W&L) 2009–2010
Women in Math and Science Member (W&L) 2010–2012

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

Invited Participant at IEEE Workshop on IoT Security Building Code May 2017
Volunteer at Greyhound Dog Rescue 2013–2014
Volunteer at Therapeutic Horseback Riding Facility 2008–2012

PRESENTATIONS **Conference Talks**
Camille Cobb, Tadayoshi Kohno. “How Public Is My Private Life? Privacy in Online Dating.” April 2017 at WWW.

Camille Cobb, 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

Camille Cobb. “Privacy in Online Dating.” November 2017 at Seattle Science Slam to a general audience.

Lightning Talks

Camille Cobb. “Presentations of Security and Privacy on Television.” August 2018 at USENIX Security & Privacy.

Poster Presentations

Camille Cobb. “Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications.” SIGCSE Student Research Competition. March 2012.

Camille Cobb and Sara Sprenkle. “Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications. CRA/CDC NSF Site Visit.” September 2011.

Camille Cobb and Sara Sprenkle. “Toward a User-Session Dependency Model for Automatically Testing Web Applications.” Tapia Celebration of Diversity in Computing. April 2011.

Katie Baldwin, Camille Cobb, 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.

Humorous Presentations

Camille Cobb and Lucy Simko. “Self-Deprecating Code.” Self-Deprecating Code. PoCSci 2017, Seattle, WA.

Camille Cobb. “Asking for a Friend.” PoCSci 2017, Seattle, WA.

Camille Cobb. “LipiTOR.” PoCSci 2016, Seattle, WA.

WORK

Industry Work Experience

Software Engineering Intern with Google’s Geo-Oceans Team

Summer 2013 and 2014

Undergraduate Research Experiences

“Medical Process Visualization.” DREU with Lori Clarke at UMass Amherst. (Summer 2011)

“Dynamic Analysis of Web Application Access Logs for Software Testing.” CREU with Sara Sprenkle at W&L. (2010-2011)

“Investigating Data Models for Automatically Generating Tests for Web Applications.” DREU with Sara Sprenkle and Lori Pollock at University of Delaware. (Summer 2009)

“Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications” Senior honors thesis with Sara Sprenkle at W&L. (2011-2012)

REFERENCES

Available upon request.