

# Camille Cobb

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## EDUCATION

**University of Washington** - PhD (in progress) in Computer Science & Engineering

2012 - Present

**University of Washington** - MS in Computer Science & Engineering

2012 - 2014

**Washington and Lee University** - BA in Computer Science, BS in Physics, German Minor

2008 - 2012

Magna Cum Laude (GPA 3.89)

**Universität Bayreuth** - Study Abroad

Summer 2010

## WORK, ADVISING, AND TEACHING EXPERIENCE

**Undergraduate Research Advisor**

Summer 2017 - Present

- Developed research projects appropriate for new undergraduate researchers and have advised students working on these projects

**Teaching Assistant for CSE 564 at UW (Graduate Security Course)**

Winter 2018

- Gave feedback on course projects and graded assignments

**Teaching Assistant for CSE 484 at UW (Undergraduate Security Course)**

Autumn 2016

- Planned and led lectures during quiz sections, gave feedback and graded assignments

**Mentor and Mentor Coordinator for the Paul Allen Computing Challenge**

2014 and 2015

- Constructed a set of questions for first round of a [data science competition](#) for teams of high school students
- Collected, graded, and gave feedback for first-round submissions
- Created examples and aggregated advice to help participants create and present their first academic-style posters

- Coordinated graduate student mentors to pair with teams for second round of competition
- Mentored teams of participants competing in second round of competition

### **UW HCDE Directed Research Group Leader**

2013 - 2014

- Led 6 to 12 undergraduate and masters students per quarter participating in [directed research groups](#)

### **Internship with Google's Geo-Oceans Team**

Summer 2013 and summer 2014

- Processed and analyzed bathymetry data (2013) and Argo float data (2014)

### **Undergraduate Research Experiences**

Summer 2009, school year 2010-2011 and 2011-2012, summer 2011

- "Medical Process Visualization" at UMass Amherst (2011)
- "Dynamic Analysis of Web Application Access Logs for Software Testing" (2010-2011)
- "Investigating Data Models for Automatically Generating Tests for Web Applications" (2009)
- "Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications"

### **Student Assistant for Introductory CS Lab at Washington and Lee**

Winter 2010

## **PUBLICATIONS**

Camille Cobb, Tadayoshi Kohno. **How Public Is My Private Life? Privacy in Online Dating.** WWW 2017, Perth, Australia, April 2017. [pdf](#), [survey instrument](#), [presentation slides](#)

Camille Cobb, Samuel Sudar, Nicholas Reiter, Richard Anderson, Franziska Roesner, Tadayoshi Kohno. **Computer Security for Data Collection Technologies.** ICTD 2016, Ann Arbor, MI, June 2016. [pdf](#)

Camille Cobb, Ted McCarthy, Annuska Perkins, Ankitha Bharadwaj, Jared Comis, Brian Do, Kate Starbird. **Designing for the deluge: understanding & supporting the distributed, collaborative work of crisis volunteers.** CSCW 2014, Baltimore, MD, February 2014. [pdf](#)

Full list of publications on [Google Scholar](#).

## **PRESENTATIONS**

### **Conference Talks**

- **Designing for the deluge: understanding & supporting the distributed, collaborative work of crisis volunteers.** February 2014 at CSCW.
- **How Public Is My Private Life? Privacy in Online Dating.** April 2017 at WWW.

### **Poster Presentations**

- C. Cobb. **Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications**. SIGCSE Student Research Competition. March 2012.
- C. Cobb and S. Sprenkle. **Exploring Text-Based Analysis of Test-Case Dependencies of Web Applications**. CRA/CDC NSF Site Visit. September 2011.
- C. Cobb and S. Sprenkle. **Toward a User-Session Dependency Model for Automatically Testing Web Applications**. Tapia Celebration of Diversity in Computing. April 2011.
- K. Baldwin, C. Cobb, C. Hopkins, S. Sprenkle, and L. Pollock. **Exploring Data Models for Automatically Generating Tests for Web Applications**. Grace Hopper Celebration of Women in Computing. September 2009.

## OUTREACH AND COMMUNITY INVOLVEMENT

### Graduate school

Led computer science outreach presentation and activities at CSE summer camp and Engineering Exploration program (2018)

Regularly attend [tech-policy lab](#) discussions (2017 - present)

Volunteered at and helped coordinate activity for [Computing Open House](#) event (2014, 2015, 2017)

Mentor to undergraduate women (2016 - present)

Volunteer undergraduate tutor for CSE 312, Foundations of Computing II (2015)

Service to the department (now the Paul G. Allen School) through coordinating weekly social events (2013-2014) and other yearly networking/social events (e.g., holiday party) (2015 and 2016)

Volunteered with greyhound dog rescue group (2013-2014)

Regularly attended weekly paper reading seminars in ICTD (2012 - present), Accessibility (2012 - 2014), Security & Privacy (2014 - present), Software Engineering (2012 - 2013)

Gave computer science outreach talk at local middle school (2012)

Attended technical conferences, including: Grace Hopper (2009 and 2013), Tapia (2011), ICSE (2013), CSCW (2014), Usenix Security & Privacy (2015 and 2017), WWW (2017), SIGCSE (2012)

### Undergraduate and High School

Women in Technology and Science Physics Chair (2009-2010), Women in Math and Science (2010-2012), Varsity Riding (Fall 2010-2012), Pi Beta Phi Sorority (2009-2012, VP 2010- 2012), Varsity Soccer (Fall 2008), Student Recruitment Committee (2009-2010), Volunteer at Therapeutic Horseback Riding Facility (2008-2012)

## AWARDS AND HONORS

NSF GRFP Recipient, UW CSE Educator's Fellowship, CRA Outstanding Undergraduate Researcher Award Honorable Mention, Holbrook Scholarship, RE Lee Scholarship, W&L Physics Sophomore Student of the Year, National Merit Scholar, Virginia Foundation of Independent Colleges Grant, Phi Beta Kappa Honor Society, Phi Eta Sigma Honor Society, Sigma Pi Sigma Physics Honor Society, National Honor Society

## APPLICABLE COURSES TAKEN

### Computer Science & Engineering (Graduate)

Principles of Programming Languages, Software Engineering, HCI, Distributed and Parallel Systems, Data Visualization, Design and Analysis of Algorithms, Security and Privacy, Artificial Intelligence, CS for Social Good (themed around 3D Printing), Research Design (INSC 570)

### Computer Science (Undergraduate)

Fundamentals of Programming I and II, Computer Organization, Software Development, Algorithm Analysis, Distributed Systems, Programming Language Design, Networks

### Physics (Undergraduate)

General Physics I and II, Statistical, Modern, Quantum, Electricity and Magnetism, Newtonian Mechanics, Statics, CADD, Circuits, Optics Math (Undergraduate) Multivariable Calculus, Ordinary and Partial Differential Equations, Discrete Mathematics

## TECHNICAL SKILLS

Programming experience in Python and Java. Some programming experience in C, Bash, Scheme, OCaml, Javascript, SQL, HTML and CSS.

Programming experience with a variety of Python libraries and APIs, including Twitter, Google Search, BeautifulSoup, Selenium, Matplotlib, Pandas, and others.

Experience with Linux, Mac, Windows, and Apple iOS.

Tools experience with Eclipse, Emacs, Latex, ShareLatex, Subversion, iPython Notebooks (Jupyter Notebooks), MongoDB, Mechanical Turk, BigQuery, and others.

Experience with Microsoft Office tools, Google Drive tools, Adobe Photoshop and Illustrator, and others.

Practical experience in research and self-development of technical skills.

## PoCSci PUBLICATIONS

Potentially Computer Science (PoCSci) is undeniably one of the top venues for computer science research that might be real (but definitely isn't).

Camille Cobb. **LipiTOR**. PoCSci 2016, Seattle, WA. [presentation slides](#)

Camille Cobb and Lucy Simko. **Self-Deprecating Code**. PoCSci 2017, Seattle, WA. [presentation slides](#)

Camille Cobb. **Asking for a Friend**. PoCSci 2017, Seattle, WA. [presentation slides](#)

## INTERESTS

Soccer, softball, dance (I have taken courses in east & west coast swing, salsa, modern, ballroom, and street & club styles), [machines that draw](#), knitting, dog training and agility

## REFERENCES

Available upon request.