MAGGIE OATES

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EDUCATION

Carnegie Mellon University, PhD Student Started August 2017
Societal Computing PhD, Institute for Software Research *Pittsburgh, PA*
Research Interests: Usable privacy and security, Tech ethics & policy, Arts-based methods

Indiana University, BS in Computer Science May 2017
Concentration: Artificial Intelligence *Bloomington, IN*
Minors: Mathematics, Linguistics, International Studies

PUBLICATIONS

Maggie Oates, Yama Ahmadullah, Abigail Marsh, Chelse Swoopes, Shikun Zhang, Rebecca Balebako, and Lorrie Faith Cranor. "Turtles, Locks, and Bathrooms: Understanding Mental Models of Privacy Through Illustration." In *Proceedings on Privacy Enhancing Technologies (PETS '18)*, 2018. **Best Student Paper Award.**

Jessica Colnago, Summer Devlin, **Maggie Oates**, Chelse Swoopes, Lujo Bauer, Lorrie Cranor, and Nicolas Christin. "It's Not Actually That Horrible": Exploring Adoption of Two-Factor Authentication at a University", In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, ACM, 2018.

Hana Habib, Pardis Emami Naeini, Summer Devlin, **Maggie Oates**, Chelse Swoopes, Lujo Bauer, Nicolas Christin, and Lorrie Faith Cranor. "User Behaviors and Attitudes Under Password Expiration Policies." In *Proceedings of the Fourteenth Symposium on Usable Privacy and Security (SOUPS'18)*. 2018.

EXPERIENCE

Robotics Institute Summer Scholar Summer 2016
Carnegie Mellon University *Pittsburgh, PA*
· Contributed to a ground robot for automated plant phenotyping as part of the ARPA-E TERRA program
· Integrated a stereo camera and developed a vision algorithm for plant stalk detection in challenging field conditions

Social Informatics Researcher Dec 2014 - Dec 2015
Indiana University *Bloomington, IN*
· Studied the sociotechnical impact of character encoding on searchability for minority groups
· Awarded 2nd Overall at the IU Computer Science Research Symposium

Technology Analyst Intern Summer 2015
JPMorgan Chase & Co *Chicago, IL*
· Contributed to a greenfield Java web application on a team of 11

Resident Assistant & Diversity Educator Aug 2014 - Dec 2015
Indiana University *Bloomington, IN*
· Facilitated two dozen educational programs and events to educate 1000 students & staff on diversity & inclusion topics (2014)
· Supported a floor of 50 women in STEM (2015) in academic & community development

Field Intern Fall 2013 - 2014
Freedom Indiana *Bloomington, IN*
· Mobilized over 400 local volunteers in a grassroots campaign against anti-LGBTQ legislation

SERVICE

AnitaB.org Board of Trustees — Oct 2017 -
Board Member

Graduate Student Assocation — Aug 2017 - Sept 2018
Student Senate Representative

Ethics for Technologists Lecture Series — Fall 2018 -
Founder, Organizer

Science & Technology Studies for CS Reading Group — Summer 2018
Founder, Organizer

CMU Teaching Award Committee — Spring 2018
Committee Member

Board of Aeons — June 2016 - May 2017
Undergraduate student advisor to Indiana University President McRobbie

FIRST Lego Robotics — June - Dec 2015 *Co-Coach*

Indiana University Sexual Violence Prevention Taskforce — Fall 2015

Internationl Collegiate Programming Competition — Fall 2014

Indiana University Student Assoc. — Fall 2014 - Dec 2016
Speaker of the House, Senate Member

External Reviewing
ACM CSCW (2019)
ACM CHI (2019)
ACM TOPS (2018)
ACM CCS (2018, shadow)

FELLOWSHIPS & SCHOLARSHIPS

National Science Foundation Graduate Research Fellowship Honorable Mention	2019
CyLab Presidential Fellowship	2018/2019
Interactive Intelligence Corporate Partner Scholarship	2016
National Merit Scholar	2013

TEACHING

17-630 Ethics and Policy Issues in Computing   Spring 2019
Teaching Assistant, Carnegie Mellon (guest lectures, grading)

CSCI-C343 Intro to Data Structures
Spring 2017 *Undergraduate Instuctor, Indiana University (lab curriculum, grading)*

CSCI-C211, Intro to Computer Science   Spring 2016 - Fall 2017
Undergraduate Instructor, Indiana University (lab curriculum, grading)

PRESENTATIONS & TALKS

re:publica Accra   Dec 2018
"Turtles, Locks, and Bathrooms"

Opportunities in Undergrad Research in CS   Oct 2018
"Anything But Not Everything" (student keynote)

Cylab Partners Conference   Oct 2018
"Turtles, Locks, and Bathrooms"

Grace Hopper Conference   Oct 2018
"Behind the Scenes of GHC" (moderator, panel on nonprofit governance)

Symposium on Usable Privacy and Security   Aug 2018
"Exploring 2FA Adoption At a University" (poster)

Privacy Enhancing Technologies   Jul 2018
"Turtles, Locks, and Bathrooms"

CMU Privacy Seminar   Jul 2018
"Turtles, Locks, and Bathrooms"

Privacy Law Scholars Conference   Jun 2018
"Turles, Locks, and Bathrooms" (by invitation only)

Opportunities in Undergrad Research in CS   Oct 2017
"The Graduate School Experience" (panelist)

Indiana University Women in Computing Celebration   Apr 2017
"The Robotanist" (student keynote)

Robotics Institute Summer Scholar Symposium   Aug 2016
"Sorghum Stalk Detection for an Agricultural System" (poster)

Indiana University Research in CS Symposium   Apr 2015
"Your Name Here: Exploring the Sociotechnical Impacts of Character Encoding" (poster)

OTHER MEDIA

"It Pains You"   Sept 2018
Designer and director for an immersive group art piece exploring the distinction between pain and violence for
Bricolage Production Company's *Bazaar*

BACKGROUND

Tools	C, Python, C++, Racket (Scheme), OpenCV, ROS, bash
Courses	AI for Social Good, Experimental Design, Empirical Methods, Privacy Policy Law & Technology
Conferences	Out4Undergrad, Allied Media
Miscs	Embroidery, Conceptual Art, Cats