

# MARSHINI CHETTY CV

Associate Professor  
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## RESEARCH INTERESTS

I specialize in the research areas of **Human-Computer Interaction (HCI)** and **usable privacy and security**. I direct the Amyoli Internet Research Laboratory or AIR lab for short. My research aims to create an equitable Internet, one that is *trustworthy* and *inclusive* of all users; I do so by determining how to cater to differences in users' infrastructure, preferences, and abilities as well as finding ways to create a trustworthy cyberspace to prevent online malfeasance.

## EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

*Atlanta, GA*

Ph.D. in Human-Centered Computing, 2011

*Dissertation:* Making Infrastructure Visible: A Case Study of Home Networking

*Advisor:* Rebecca E. Grinter

*Committee:* Gregory Abowd, W. Keith Edwards, Elizabeth Mynatt (Georgia Tech)

A.J. Bernheim Brush (Microsoft Research) and Tom Rodden (University of Nottingham)

UNIVERSITY OF CAPE TOWN

*Cape Town, South Africa*

MSc. in Computer Science, 2005

*Thesis:* Developing Locally Relevant Applications For Rural South Africa: A Telemedicine Example

*Advisor:* Edwin Blake

*Awarded with Distinction*

BSc. (Hons) in Computer Science, 2002

*Awarded First Class*

BSc. in Computer Science, 2001

*Degree Awarded with Distinction with Distinctions in Computer Science and Psychology*

## AWARDS AND HONORS

- 2021 NSF CAREER award
- 2021 CHI Best Paper Honorable Mention award (*Awarded to top 5% of submissions*)
- 2019 10th Annual Privacy Papers for Policymakers (PPPM) Award (*Awarded to top influential papers in 2019*)
- 2019 SOUPS Distinguished Paper Award (*Awarded to top paper submission*)
- 2018 CSCW Best Paper award (*Awarded to top 3% of submissions*)
- 2011 CHI Best Paper award (*Awarded to top 1% of submissions*)

- 2011 Georgia Tech College of Computing Outstanding Graduate Research Assistant Award (*Awarded to 1 GRA in the College of Computing*)
- 2010-2011 Intel Ph.D. Fellowship. (*27 fellowships awarded nationally to top computer science researchers.*)
- 2010 Georgia Tech Research and Innovation Conference \$2000 Travel Grant (*Awarded within departments for outstanding poster presentation.*)
- 2009-2010 Georgia Tech GVU Foley Scholar Award (*Awarded to 2 graduate students at GVU center for research excellence.*)
- 2008-2009 Georgia Tech GVU Foley Scholar Finalist
- 2007-2008 Google Anita Borg Scholarship (*20 scholarships awarded nationally to top women computer scientists.*)
- 2007-2008 Georgia Tech Sam Nunn Security Fellowship (*6 fellowships awarded institute wide for scientists to engage in policy matters.*)
- 2006 Google Women of Color Scholarship to attend Grace Hopper conference.
- 2006 2nd Place at the ACM CHI Student Design Competition. (*Out of 15 competing teams.*)
- 2005 Computer Science Merit Certificate for academic achievement (*Awarded to top 1% of computer science students in the department.*)
- 2005-2007 Fulbright Scholarship (*13 scholarships awarded nationally in South Africa*)
- 2003-2004 National Research Foundation Equity scholarship (*Awarded nationally for academic achievement to cover graduate study living expenses.*)
- 2003-2004 University of Cape Town University Council bursary (*Awarded for academic achievement.*)
- 2000-2002 HSBC bursary for academic achievement. (*Awarded institute wide for academic achievement to cover full tuition and living expenses.*)
- 2001 Class Medal for CS 302F (*Operating systems, databases, and software engineering*). (*Awarded to top student in the class.*)
- 2001 Microsoft scholarship to attend Tech Ed conference (*Awarded to top computer science student in department.*)
- 2000 William Campbell-Pill scholarship (*Awarded to one student institute-wide for academic achievement.*)
- 1999-2001 Dean's Merit list (*Awarded to top 1% of students in the Sciences.*)

## WORK EXPERIENCE

- |              |  |   |
|--------------|--|---|
| 2022-Present | <b>Associate Professor</b><br>Department of Computer Science   | University of Chicago, <i>Chicago, IL</i>       |
| 2019-2022    | <b>Assistant Professor</b><br>Department of Computer Science   | University of Chicago, <i>Chicago, IL</i>       |
| 2016-2019    | <b>Research Scholar</b><br>Department of Computer Science  | Princeton University, <i>Princeton, NJ</i>      |
| 2013-2016    | <b>Assistant Professor</b><br>College of Information Studies<br>Institute for Advanced Computing Studies<br>Department of Computer Science (Affiliate) | University of Maryland, <i>College Park, MD</i> |

- 2012-2013      **Research Fellow**      ResearchICTAfrica, *Cape Town, South Africa*  
Assessing the quality of service of broadband services in Africa.
- 2011-2012      **Postdoctoral Researcher**      Georgia Tech, *Atlanta, GA*  
Worked in the Pixi laboratory at the Graphics Visualization and Usability (GVU) center with Assoc. Prof. W. Keith Edwards. Projects included designing and implementing tools for home network management including the uCap tool for managing a home data cap.
- 2005-2011      **Graduate Research Assistant**      Georgia Tech, *Atlanta, GA*  
Research assistant in the Work2Play laboratory. Projects included studying home network user needs and developing tools to make network information visible to end-users.
- 2010      **Fall Research Intern**      Microsoft Research, *Cape Town, South Africa*  
Research on how home Internet users deal with capped bandwidth plans. In collaboration with Microsoft Research (MSR) India, MSR Redmond and MSR Cambridge.  
*Mentors:* A.J. Bernheim Brush, Richard Banks, and Jonathan Donner
- 2009      **Summer Research Intern**      Microsoft Research, *Cambridge, United Kingdom*  
Refined and conducted a field trial of HomeWatcher—a tool to make bandwidth hogs more visible to end-users.  
*Mentors:* Richard Banks and Abigail Sellen
- 2008      **Summer Research Intern**      Microsoft Research, *Redmond, WA*  
Experimented with phidget sensors for power savings on computer monitors. Conducted a logging study of home computer users' power management strategies.  
*Mentor:* A.J. Bernheim Brush
- 2007      **Summer Research Intern**      IBM TJ Watson Research Laboratory, *Hawthorne, NY*  
Investigated business uses of Second Life and developed a basic taxonomy of websites.  
*Mentors:* Laretta Jones, Juerg von Kaenel, Jacquelyn Martino, and John C. Thomas

## TEACHING EXPERIENCE

- Instructor**      *University of Chicago*
- Winter 2023      CMSC 33231-1: Topics in Human-Computer Interaction: Combating Misleading Online Content  
Enrollment: 11 students
- Spring 2022      CMSC 23210/33210: Usable Privacy and Security  
Enrollment: 55 students
- Winter 2022      CMSC 20370/30370 Inclusive Technology: Design for Under-served and Marginalized Populations  
Enrollment: 54 students
- Fall 2021      CMSC 33231-1: Topics in Human-Computer Interaction: Combating Misleading Online Content  
Enrollment: 11 students
- Spring 2021      CMSC 23210/33210: Usable Privacy and Security  
Enrollment: 63 students

Winter 2021 CMSC 20370/30370: Inclusive Technology: Design for Under-served and Marginalized Populations  
Enrollment: 44 students

Fall 2020 CMSC 33231-1: Topics in Human-Computer Interaction: Combating Misleading Online Content  
Enrollment: 14 students

Spring 2020 CMSC 33231-1: Topics in Human-Computer Interaction: Combating Misleading Online Content  
Enrollment: 16 students

Winter 2020 CMSC 20370/30370: Inclusive Technology: Design for Under-served and Marginalized Populations  
Enrollment: 42 students

**Instructor** *Princeton University*

Fall 2017 COS 436: Human-Computer Interface Technology  
Enrollment: 38 students, 5 community auditors

Spring 2017 COS IW 09: These Aren't The Drones You Are Looking For: Mitigating the Privacy and Security Implications Of Drones  
Enrollment: 5 students

**Instructor** *University of Maryland, College Park*

Spring 2016 Graduate Course INST 632, Human Computer Interaction Design Methods  
Enrollment: 24 students

Fall 2015 Parental Leave

Spring 2015 Graduate Course INST 631, Fundamentals of Human Computer Interaction  
Enrollment: 6 students

Fall 2014 Graduate Course INST 632/CMSC 498V, Human Computer Interaction Design Methods  
Enrollment: 29 students

Spring 2014 Graduate Course INST 776, Human Computer Interaction Masters Capstone  
Enrollment: 12 students

Fall 2013 Graduate Course INFM 605, Users and Use Context  
Enrollment: 29 students

**Teaching Assistant** *Georgia Institute of Technology*

Spring 2008 Graduate Course CS 7460, Issues in Human-Centered Computing.  
Created and graded practice exams, participated in, and often led, seminar discussions.

Fall 2005 Undergraduate Course CS 4001, Computers and Society.  
Graded assignments and finals, conducted regular office hours for students, and managed the course website. Also, attended class to assist with discussions and answer student questions.

**Lecturer** *University of Cape Town*

2004-2005 CS 1010H (for previously disadvantaged students), CS 1018F, Introductory Computer Science courses.  
Customized materials for undergraduate introduction to programming course (using Java) including publicly available lecture slides. Created and graded tests, final exams, and hands-on laboratory sessions. Participated in department as full academic staff member.

|           |   |                                |
|-----------|---|--------------------------------|
| 2003-2004 | <b>Teaching Assistant</b><br>CS 1010H and CS 1011F, Introductory Computer Science courses.<br>Managed course materials website, assisted with hands-on laboratory sessions, supervised undergraduate tutors and test grading sessions, and conducted office hours for students. | <i>University of Cape Town</i> |
| 2003-2004 | <b>Lecturer Assistant</b><br>CSC 5003/4W, Master's in Information Technology by Coursework and Dissertation.<br>Graded assignments.   | <i>University of Cape Town</i> |
| 2001      | <b>Tutor</b><br>CS 1015F and CS 1016S, Introductory Computer Science courses.<br>Assisted with hands-on laboratory sessions and graded tests.   | <i>University of Cape Town</i> |

## REFEREED CONFERENCE PAPERS

*Note:* Papers are listed in reverse chronological order.

- [1] Schaffner, B., Stefanescu, A., Campili, O, and Chetty, M. Don't Let Netflix Drive the Bus: User's Sense of Agency Over Time and Content Choice on Netflix". To appear CSCW 2023.
- [2] Fulton, K.R., Katcher, S., Song, K., Chetty, M., Mazurek, M.L., Messdaghi, C., and Votipka, D. (2022) Vulnerability Discovery for All: Experiences of Marginalization in Vulnerability Discovery. IEEE Symposium on Security and Privacy 2022.
- [3] Dutkowska-Żuk, A., Hounsel, A., Morill, A., Xiong, A., Chetty, M., and Feamster, N. (2022) How and Why People Use Virtual Private Networks. USENIX Security 2022. 52 pages.
- [4] Feng, K.K.J., Song, K., Li, K., Chakrabarti, O., and Chetty, M. (2022) Investigating How University Students in the United States Encounter and Deal With Misinformation in Private WhatsApp Chats During COVID-19. SOUPS 2022. 20 pages.
- [5] Schaffner, B., Lingareddy, N., and Chetty, M. (2022) Understanding Account Deletion and Relevant Dark Patterns In Social Media. CSCW 2022. 44 pages.
- [6] Boyd M., Sullivan, J., Chetty, M. and Ur, B. (2021) Understanding the Security and Privacy Advice Given to Black Lives Matter Protesters. CHI 2021. 26.3% Acceptance rate. 18 pages. \*CHI Best Paper Honorable Mention Award
- [7] Reichel, J., Inaba, M., Peck, F., Mogas, B, Chawla, B.C., and Chetty, M. (2020) 'I have too much respect for my elders': Understanding South African Mobile Users' Perceptions of Privacy and Current Behaviors on Facebook and WhatsApp. USENIX Security 2020. 18 pages.
- [8] Swart M., Lopez, Y., Mathur, A., and Chetty, M. Is This An Ad?: Automatically Disclosing Online Endorsements with AdIntuition. (2020) CHI 2020. 24% acceptance rate. 10 pages.
- [9] Mathur, A., Acar, G., Friedman, M., Lucherini, E., Mayer, J., Chetty, M., and Narayanan, A. (2019) Dark Patterns at Scale: Findings from a Crawl of 11K Shopping Websites. CSCW 2019. 31% Acceptance Rate. 32 pages. \*Annual Privacy Papers for Policymakers Award 2019
- [10] Li, F., Rogers, L., Mathur, A., Malkin, N, and Chetty, M. (2019). Keepers of the Machines: Examining How System Administrators Manage Software Updates For Multiple Machines. SOUPS 2019. 22% Acceptance Rate. 16 pages. \*Best Paper Award (Awarded to top paper submission.)
- [11] Kumar, P., Chetty, M., Clegg, T., and Vitak, J. (2019). Privacy and Security Considerations for Digital Technology Use In Elementary Schools. CHI 2019. 23.8% Acceptance Rate. 12 pages.
- [12] Mathur, A., Narayanan, A., and Chetty, M. (2018) Endorsements on Social Media: An Empirical Study of Affiliate Marketing Disclosures on YouTube and Pinterest. CSCW 2018. 26% Acceptance Rate. 26 pages. \*Best Paper Award (Awarded to selection of top 4% of submissions.)

- [13] Zheng, S., Apthorpe, N., Chetty, M., and Feamster, N. (2018) User Perceptions of Smart Home IoT Privacy. CSCW 2018. 26% Acceptance Rate. 20 pages.
- [14] Winter, P., Edmundson, A., Roberts, L., Dutkowsk-Žuk, A., Chetty, M., and Feamster, N. (2018) How Do Tor Users Interact With Onion Services? USENIX Security 2018. 19% Acceptance Rate. 18 pages.
- [15] Mathur, A., Narayana, A., Vitak, J., and Chetty, M. (2018) Characterizing the Use of Browser-Based Blocking Extensions To Prevent Online Tracking. SOUPS 2018. 22.7% Acceptance Rate. 14 pages.
- [16] Kumar, P., Vitak, J., Chetty, M., Clegg, T., Yang, J., McNally, B., and Bonsignore, E. (2018) Co-Designing Online Privacy-Related Games and Stories with Children. Interaction Design and Children Conference (IDC) 2018. 29% Acceptance Rate. 13 pages.
- [17] Romanosky, J. and Chetty, M. Understanding the Use and Impact of the Zero-Rated Free Basics Platform in South Africa. *In CHI 2018*, Montreal, Canada. 25.7% Acceptance Rate. 13 Pages.
- [18] Kumar, P., Naik, S.M., Devkar, U.R., Chetty, M., Clegg, T., and Vitak, J. ‘No Telling Passcodes Out Because They’re Private’: Understanding Children’s Mental Models of Privacy and Security Online. *In CSCW 2018 Online First*. 27% Acceptance Rate. 21 pages.
- [19] Mathur, A. and Chetty, M. "Impact of User Characteristics on Attitudes Towards Automatic Mobile Application Updates." *In SOUPS 2017*, Santa Clara, California, USA. 27% Acceptance rate. 19 pages.
- [20] Chang, V., Chundury, P., and Chetty, M. (2017). "Spiders in the Sky": User Perceptions of Drones, Privacy, and Security. *In CHI 2017*, Denver, Colorado, USA. 25% Acceptance Rate. 12 pages.
- [21] Mathur, A., Sobti, S., Engel, J., Chang, V., and Chetty, M. (2016). "They Keep Coming Back Like Zombies" Improving Software Updating Interfaces. *In SOUPS 2016*, Denver, Colorado, USA. 27.8% Acceptance Rate. 12 pages.
- [22] Mathur, A., Scholtfeldt, B., and Chetty, M. "A Mixed-Methods Study Of Mobile Users’ Data Management Practices In South Africa" *In Ubicomp 2015* (Osaka, Japan), ACM. 23.6% Acceptance Rate. 12 pages.
- [23] Chetty, M., Kim, H., Sundaresan, S., Burnett, S., Feamster, N., and Edwards, W.K. "uCap: An Internet Data Management Tool For The Home" *In CHI 2015* (Seoul, Korea), ACM. 23% Acceptance Rate. 10 pages.
- [24] Gupta, A., Calder, M., Feamster, N., Chetty, M., Calandro, E., and Katz-Bassett, E. "Peering at the Internet’s Frontier: A First Look At ISP Interconnectivity In Africa." *Passive and Active Measurement Conference 2014* (Los Angeles, United States), ACM. 31% Acceptance Rate. 10 pages.
- [25] Chetty, M., Muckaden, S., Sundaresan, S., Feamster, N., and Calandro, E. "Measuring Broadband Performance in South Africa." *ACM DEV 2013* (Cape Town, South Africa), ACM. 33% Acceptance Rate. 10 pages.
- [26] Wyche, S. and Chetty, M., "Designing to Support Africans Living Abroad and "Home". *In CHI 2013* (Paris, France), ACM. 20% Acceptance Rate. 10 pages.
- [27] Chetty, M., Banks, R., Bernheim Brush, A. J., Donner, J., and Grinter, R. "You’re Capped" Understanding The Effects of Broadband Caps on Broadband Use in The Home. *In CHI 2012* (Austin, USA, 2012), ACM. 23% Acceptance Rate. 10 pages.
- [28] Chetty, M., Haslem, D., Baird, A., Ofoha, U., Sumner, B., and Grinter, R. Why Is My Internet Slow?: Making Network Speeds Visible. *In CHI 2011* (Vancouver, Canada, 2011), ACM. 26% Acceptance Rate. \*Best Paper Award (Awarded to selection of top 1% of submissions.). 10 pages.

- [29] Wyche, S., Smyth, T., Chetty, M., Aoki, P., and Grinter, R. Deliberate Interactions: Characterizing Technology Use In Nairobi, Kenya. *In CHI 2010* (Atlanta, USA, 2010), ACM. 22% Acceptance Rate. 10 pages.
- [30] Chetty, M., Banks, R., Harper, R., Regan, T., Sellen, A., Gkantsidis, C., Karagiannis, T., AND KEY, P. Who's Hogging The Bandwidth: The Consequences Of Revealing The Invisible In The Home. *In CHI 2010* (Atlanta, USA, 2010), ACM. 22% Acceptance Rate. 10 pages.
- [31] Shehan-Poole, E., Chetty, M., Morgan, T., Grinter, R., and Edwards, W. Computer Help At Home: Methods And Motivations For Informal Technical Support. *In CHI 2009* (Boston, USA, 2009), ACM. 24.5% Acceptance Rate. 10 pages.
- [32] Chetty, M., Bernheim-Brush, A., Meyers, B., and Johns, P. It's Not Easy Being Green: Understanding Home Computer Power Management. *In CHI 2009* (Boston, USA, 2009), ACM. 24.5% Acceptance Rate. 10 pages.
- [33] Shehan-Poole, E., Chetty, M., Grinter, R., and Edwards, K. More Than Meets The Eye: Transforming The User Experience Of Home Network Management. *In DIS 2008* (Cape Town, South Africa, 2008), ACM. 32% Acceptance Rate. 10 pages.
- [34] Chetty, M., Tran, D., and Grinter, R. Getting To Green: Understanding Resource Consumption In The Home. *In Ubicomp 2008* (Seoul, Korea, 2008), ACM. 19% Acceptance Rate. 10 pages.
- [35] Chetty, M., Sung, J., and Grinter, R. E. How Smart Homes Learn: The Evolution Of The Networked Home And Household. *In Ubicomp 2007* (Innsbruck, Austria, 2007), Springer-Verlag. 19% Acceptance Rate. 10 pages.
- [36] Kientz, J., Arriaga, R., Chetty, M., Hayes, G., Richardson, J., Patel, S., and Abowd, G. Grow And Know: Understanding Record-keeping Needs For The Development Of Young Children. *In CHI 2007* (San Jose, CA, 2007), ACM. 25% Acceptance Rate. 10 pages.
- [37] Chetty, M., Tucker, B., and Blake, E. Telemedicine In The Eastern Cape Using VoIP Combined With A Store And Forward Approach. *In Southern African Telecommunications Networks and Applications Conference* (Cape Town, South Africa, 2004). 4 pages.
- [38] Chetty, M., Tucker, B., and Blake, E. Developing Locally Relevant Software Applications for Rural Areas: A South African Example. *In SAICSIT 2004* (Cape Town, South Africa, 4-6 October 2004). 5 pages.
- [39] Chetty, M., Tucker, B., and Blake, E. Using Voice Over IP To Bridge The Digital Divide - A Critical Action Research Approach. *In Southern African Telecommunications Networks and Applications Conference* (George, South Africa, 2003). 2 pages/
- [40] Kritizinger, P., Chetty, M., Landman, J., Marconi, M., and Ryndina, O. ChattaBox: A Case Study In Using UML And SDL For Engineering Concurrent Communicating Software Systems. *In Southern African Telecommunications Networks and Applications Conference* (George, South Africa, 2003). 6 pages.

## REFEREED JOURNAL PAPERS

- [1] Apthorpe, N., Emami-Naeini, P., Mathur, A., Chetty, M., and Feamster, N. (2022) You, Me, and IoT: How Internet-Connected Consumer Devices Affect Interpersonal Relationships. To Appear in *Transactions of Internet of Things (TIOT)*.
- [2] Major, D., Huang, D., Chetty, M. and Feamster, N. (2021) Alexa, Who Am I Speaking To? Understanding Users' Ability To Identify Third-Party Apps on Amazon Alexa. *Transactions on Internet Technology (TOIT)*. 22 pages.
- [3] Grinter, R., Edwards, W., Chetty, M., Shehan-Poole, E., Sung, J., Yang, J., Crabtree, A., Tolmie, P., Rodden, T., Greenhalgh, C., and Benford, S. The Ins And Outs Of Home Networking: The Case For Useful And Usable Domestic Networking. *ACM Trans. Computer-Human Interaction* 16, Article 8 (June 2009), 1-28, 28 pages.

- [4] Chetty, M., Blake, E., and Mcphie, E. VoIP Deregulation In South Africa: Implications For Underserved Areas. *Telecommunications Policy* 30, Issues 5-6 (2006), 22 pages.

## THESES

- [1] Chetty, M. Making Infrastructure Visible: A Case Study Of Home Networking. *Ph.D. Thesis: College of Computing, Georgia Institute of Technology, USA, 2011.* 187 pages.
- [2] Chetty, M. Developing Locally Relevant Applications for Rural South Africa: A Telemedicine Example. *Master's Thesis: Dept. of Computer Science, University of Cape Town, South Africa, 2005.* 182 pages.

## LIGHTLY REVIEWED PAPERS

- [1] Lingareddy, N., Schaffner, B., and Chetty, M. Can I Delete My Account?: Dark Patterns In Account Deletion On Social Media (2021) *CHI 2021 Workshop on What Can CHI Do About Dark Patterns?*.
- [2] Narayanan, A., Mathur, A., Chetty, M., and Kshirsagar, M. (2020). Dark Patterns: Past, Present, and Future. *Queue*, 18(2), 67-92.
- [3] Kumar, P.C., Subramaniam, M., Vitak, J., Clegg, T., and Chetty, M. (2020). Strengthening Children's Privacy Literacy Through Contextual Integrity. *Media and Communication*, 8(4).
- [4] Kumar, P., Vitak, J., Clegg, T., and Chetty, M. (2019). The Platformization Of The Classroom: Teachers As Surveillant Consumers. *Surveillance & Society*, 17(1/2), 145-152. 8 pages.
- [5] Mathur, A., Chetty, M., and Narayana, A. An Empirical Study of Affiliate Marketing Disclosures on YouTube and Pinterest. *Workshop on Technology and Consumer Protection (ConPro 2018)*, San Francisco, California. (2018). 7 pages.
- [6] Chetty, M., Calandro, E., and Feamster, N. Latency Effects on Broadband Performance in South Africa. *Internet Society Workshop on Reducing Internet Latency.* (2013). 2 pages.
- [7] Chetty, M. and Feamster, N. Refactoring Network Infrastructure to Improve Manageability: A Case Study of Home Networking. *ACM SIGCOMM Computer Communication Review.* Vol 42, No. 3. July 2012 (2012). 8 pages.
- [8] Kim, H., Sundaresan, S., Chetty, M., Edwards, W.K., and Feamster, N. Communicating with Caps: Managing Usage Caps in Home Networks. *ACM SIGCOMM DEMO* (2011). 2 pages.
- [9] Sundaresan, S., Feamster, N. , Teixeira, R., Tang, T., Edwards, W.K., Grinter, R.E, Chetty, M., and De Donato, W. Helping Users To Shop for ISPs with Nutrition Labels. *HomeNets Workshop ACM SIGCOMM* (2011). 6 pages.
- [10] Chetty, M., Banks, R., Bernheim-Brush, A., Donner, J., and Grinter, R. While The Meter Is Running: Computing In A Capped World. *Interactions*, March/April (2011). 4 pages.
- [11] Wagstrom, P., Thomas, J., Martino, J., Jones, L., Von Kaenel, J., and Chetty, M. A Dive Into Online Community Properties. *In CSCW 2011 Interactive Papers* (Hangzhou, China, 2011), ACM. 4 pages.
- [12] Chetty, M. Serving Up From The Internet Melting Pot. *In Transnational Times Workshop At Ubicomp 2010* (Copenhagen, Denmark, September 2010). 4 pages.
- [13] Chetty, M. Remaking The Things We've Already Made: A Look At Unused Computing Equipment In The Home. *In Examining Appropriation, Re-use And Maintenance For Sustainability Workshop At CHI 2010* (Atlanta, GA, April 2010). 3 pages.
- [14] Chetty, M. Contemporary Domestic Infrastructure And Technology Design. *In CHI 2009 Doctoral Colloquium* (Boston, MA, 2009), ACM. 4 pages.



- [15] Chetty, M. Do Domestic Infrastructures Have Values? *In Ubicomp 2008 Doctoral Colloquium* (Seoul, Korea, 2008).
- [16] Chetty, M. and Grinter, R. HCI4D: How Do We Design For The Global South? *In User Centered Design and International Development Workshop at CHI 2007* (San Jose, CA, April 2007). 2 pages.
- [17] Chetty, M. and Grinter, R. HCI4D: HCI Challenges in The Global South. *In CHI 2007 Extended Abstracts* (San Jose, CA, April 2007), ACM. 4 pages.
- [18] Brown, B., Chetty, M., Grimes, A., and Harmon, E. Reflecting On Health: A Diet And Exercise Monitoring System For College Students. *In CHI 2006 Extended Abstracts* (Montreal, Canada, 2006), ACM. 4 pages.
- [19] Chetty, M. and Grinter, R. Making Connections: Designing for Home Networking. *IT@Home Workshop At CHI 2006* (Montreal, Canada, 2006), ACM. 4 pages.

## POSTERS

- [1] Mathur, A., Schlotfeldt, B., and Chetty, M. A Study of Mobile Users' Data Usage Practices in South Africa, iSchool 50<sup>th</sup> Anniversary Celebration, February 27, 2015
- [2] Singh, R. and Chetty, M. Users Awareness of Personalization and Pollution Attacks, *University of Maryland Science of Security Lablet Symposium*, 26 October 2015.
- [3] Engel, J., Persaud, B., and Chetty, M. User Barriers to Software Updates. *University of Maryland Science of Security Lablet Symposium*, 26 October 2015.
- [4] Chang, V. and Chetty, M. Privacy and Security Concerns Around Drones. *University of Maryland Science of Security Lablet Symposium*, 26 October 2015.
- [5] Shepard, K. and Chetty, M. Helping Users to Detect and Control Pollution Attacks. *University of Maryland Science of Security Lablet Symposium*, 28 October 2014.
- [6] Brown, B., Chetty, M., Grimes, A., and Harmon, E. Effortless Monitoring of Diet and Exercise for Students. *Poster presented at CHI-Atlanta Student Research Competition*, 2005.

## UNREFEREED PAPERS

- [1] Chetty, M., Buckhalter, C., Best, M., Grinter, R., and Guzdial, M. Description Of Computer Science Higher Education In Sub-Saharan Africa: Initial Explorations. *GIT-GVU-07-14 Technical Report, College of Computing, Georgia Institute of Technology*, 2007.
- [2] Chetty, M. A Comparison of Unified Modeling Language (UML) and Specification and Description Language (SDL). *Technical Report-02-01-00, Dept. of Computer Science, University of Cape Town*, 2002.

## PUBLIC POLICY COMMENTS

- [1] Chanenson, J., Chetty, M., Crum, C., Feamster, N., Holiman, J., Khanna, A., MacMillan, K., Pandey, B., Peterson, A., Rothstein, Z., Schaffner, B., Strahilevitz, L., and Yasmeh, J. (May 2022) Comment on Dark Patterns in Social Media for European Data Protection Board. [https://cpb-us-w2.wpmucdn.com/voices.uchicago.edu/dist/1/2826/files/2022/06/EDPB\\_Comment\\_Final.pdf](https://cpb-us-w2.wpmucdn.com/voices.uchicago.edu/dist/1/2826/files/2022/06/EDPB_Comment_Final.pdf)
- [2] Chetty, M., Lingareddy, N., Schaffner, B., and Strahilevitz, L. (May 2021) Comment on Dark Patterns for Federal Trade Commission Docket FTC-2021-0019. [https://voices.uchicago.edu/airlab/files/2022/06/FTC-2021-0019-0111\\_attachment\\_1.pdf](https://voices.uchicago.edu/airlab/files/2022/06/FTC-2021-0019-0111_attachment_1.pdf)
- [3] Chetty, M., Kshirsagar, M., Mathur A., Mayer, J., and Narayanan, A. (June 2020). Comment on Online Endorsement Guidelines To Federal Trade Commission.

<https://citpsite.s3.amazonaws.com/wp-content/uploads/2020/2020-06-22-CITP-Clinic-Endorsement+Guides-P204500.pdf>

- [4] Chetty, M., Cohney, S., Kshirsagar, M., Mathur, A., Mayer, J., Narayanan, A., Teixeira, E., and Waldman, A.E. (February 2020) Comments on Revised Proposed Regulations Implementing the California Consumer Privacy Act.  
<https://s3.amazonaws.com/citpsite/wp-content/uploads/2020/02/27164209/CITP-Clinic-CCPA-Comments-2.pdf>
- [5] Chetty, M., Felten, E.W., Kshirsagar, M., Mathur, A., Mayer, J., Narayanan, A., Ongkowijaya, V., Salganik, M.J., Sanfilippo, M. and Waldman, A.E. (December 2019)  
COPPA Rule Review, 16 CFR part 312, Project No. P195404.  
<https://s3.amazonaws.com/citpsite/wp-content/uploads/2019/12/13160400/CITP-Clinic-FTC-COPPA-Rule-Comments.pdf>

## SELECTED MEDIA

- [1] FORBES. How To Identify And Outsmart Dark Patterns. 10 August 2021.
- [2] NYTIMES. Stopping the Manipulation Machines. 30 April 2021.
- [3] BUSINESS INSIDER. California is banning companies from using 'dark patterns,' a sneaky website design that makes things like canceling a subscription frustratingly difficult. 17 March 2021.
- [4] WIRED. Lawmakers Take Aim at Insidious Digital 'Dark Patterns'. 29 January 2021.
- [5] WALL STREET JOURNAL. Does Robinhood Make It Too Easy to Trade? From Free Stocks to Confetti. 20 August 2020.
- [6] WIRED. The Subtle Tricks Shopping Sites Use to Make You Spend More. 6 August 2020.
- [7] ASSOCIATED PRESS. Sale Ending Soon? How Online Sites Trick You Into Buying. 22 January 2020.
- [8] CHICAGO TRIBUNE. Cyber Week Shoppers Are Signing Up, Shame Clicking, and Impulse Buying Like Crazy – And Dark Pattern Ploys Are To Blame. Here's Why Scientists And Lawmakers Are Looking To Fix That. 6 December 2019.
- [9] CNN. Buyer beware! These are the tricks online stores use to get you buying more stuff. 29 November 2019.
- [10] WALL STREET JOURNAL. Tricks Online Retailers Use To Get You To Spend More. 22 November 2019.
- [11] WIRED. This Chrome Extension Calls Out Sponsored YouTube Videos. 12 July 2019.
- [12] NYTIMES. How E-Commerce Sites Manipulate You Into Buying Things You May Not Want. June 24, 2019
- [13] WIRED. Thanks to AI, These Cameras Will Know What They're Seeing. April 2018
- [13] WIRED. YouTube and Pinterest Influencers Almost Never Disclose Marketing Relationships. March 2018.
- [14] NEW SCIENTIST. Millions of YouTube product reviews may flout advertising rules. March 2018.
- [15] SLATE. How to Teach Your Kids About Digital Privacy and Security. December 2017.
- [16] TOMS HARDWARE. Bandwidth Caps Can Cause Risky Decisions and Uncertainty. May 2012.
- [17] THE DATA CENTER JOURNAL. Bandwidth Limitations and the Cloud. May 2012.
- [18] CNET NEWS Georgia Tech Project Arms Consumers Against Restrictive ISPs. August 2011.

- [19] BROADBANDDSLREPORTS.COM Georgia Tech Offers Kermit Bandwidth Monitoring Tool For Those Who Find Third Party Router Firmware Daunting. May 2011.
- [20] BOINGBOING! Kermit: See and Control the Devices Using Your Home Network. May 2011.
- [21] ARS TECHNICA. Parents, Need To Throttle Timmy's Xbox While You Work From Home? May 2011.
- [22] PHYSORG.COM. Kermit Helps Households Monitor and Manage Their Internet Speed. *Physorg.com*, May 2011.
- [23] NETWORK WORK. Experimental Broadband Management App Could Keep ISPs Honest. May 2011.
- [24] SLASHDOT. App To Keep ISPs Honest About Bandwidth Caps. May 2011.
- [25] GEORGIA TECH PRESS RELEASE. Why is My Internet Slow? April 2010.
- [26] Chetty, M. Ten Thousand Villages. Ambidextrous Magazine, Suddenly Spring, *Stanford's Journal of Design*, Issue 3 2010.

## WORKSHOPS AND PANELS

- [1] Chetty, M., Nissenbaum, H., and Shwarzshnaider, Y. Symposium on Applications of Contextual Integrity at Digital Life Initiative, 22-23 September 2022, Hybrid at CornellTech, New York City, NY.
- [2] Chetty, M., Nissenbaum, H., Shwarzshnaider, Y., and Ur, B. Symposium on Applications of Contextual Integrity, 30 September-1 October 2021, Hybrid at University of Chicago, Chicago, IL.
- [3] Chetty, M., Nissenbaum, H., Shwarzshnaider, Y., and Ur, B. Symposium on Applications of Contextual Integrity at Center for Information and Technology Policy, 21 September 2020, Virtual Town Hall at University of Chicago, Chicago, IL.
- [4] Chetty, M., Nissenbaum, H., and Shwarzshnaider, Y. Symposium on Applications of Contextual Integrity at Center for Information and Technology Policy, 13-14 September 2018, Princeton University, Princeton, NJ.
- [5] Vitak, J., Kumar, P., Clegg, T., Bonsignore, B., Chetty, M., and Wisniewski, P. Designing Privacy and Security Tools for Children and Teenagers, 12 August 2018, SOUPS 2018, Baltimore, MD.
- [6] Chetty, M., Nissenbaum, H., and Shwarzshnaider, Y. Workshop on Applications of Contextual Integrity at Center for Information and Technology Policy, 11 December 2017, Princeton University, Princeton, NJ.
- [7] Anderson, K., Chetty, M., Gupta, S., and Reidenberg, J. Dissecting the Equifax Breach. Panel, Center for Information and Technology Policy, 21 November 2017, Princeton University, Princeton, NJ.
- [8] Feamster, N., Brush, A.J., Chetty, M., Davies, B., Mahajan, R., and Mortier, R. Home Networking Panel, IEEE Computer Communications Workshop 2011, Hyannis, Cape Cod, MA.
- [9] Chetty, M. and Mortier, R. Measurements Up and Down the Stack, SIGCOMM 2012 (Helsinki, Finland). 3 pages.
- [10] Thomas, J., Dearden, A., Best, M., Dray, S., Light, A., Chetty, M., Kam, M., Maunder, A., and Sambasivan, N. HCI for Community and International Development. *In CHI 2008* (Florence, Italy, 2008). 4 pages.
- [11] Thomas, J., Dearden, A., Best, M., Winscheirs, S. H., Chetty, M., Kam, M., Maunder, A., and Ayklin, N. Building an International Community: Designing Interactive Systems for Communities in the Developing World. *In DIS 2008* (Cape Town, South Africa, 2008).

## INVITED TALKS

- 2022 Only 3 Left At This Price: Investigating Dark Patterns And Consumer Protections. *Harper Lecture Series at University of Chicago*, 7 December 2022.
- 2022 Data Ownership and Privacy Panel. *Data. AI and Ethics Conferences at University of Chicago*. 7 October 2022.
- 2022 Where and How Is Data Science Education Happening Panel. *National Academy of Sciences Workshop on Foundations of Data Science For Students in K-12*. 13 September 2022.
- 2022 Imagine All The People On A Trustworthy Internet. *Department of Computer Science at University of Cape Town, South Africa*. 25 August 2022
- 2022 Science Careers Panel. *Kovler Career Conference at University of Chicago*. 15 July 2022.
- 2022 Data and Democracy: Content Moderation. *Summer Lab at University of Chicago*. 22 June 2022.
- 2022 Investigating Dark Patterns And Consumer Protections. *Helsinki-Aalto Institute for Cybersecurity (HAIC) at Aalto University, Finland*. 28 April 2022.
- 2021 Healthcare Technologies For Older Adults. *Internet Frontiers and Opportunities Workshop at Data Science Institute at University of Chicago*. 15 November 2021.
- 2021 First Year As Faculty Panel. *Rising Stars in Data Science Panel at Data Science Institute at University of Chicago*, 11 November 2021
- 2021 Imagine All The People On A Trustworthy Internet. *Frederica Darema Lecture at Illinois Institute of Technology*. 3 November 2021
- 2021 Imagine All The People On A Trustworthy Internet. *Human-Computer Interaction Seminar at Stanford University*. 8 October 2021
- 2021 Imagine All The People On A Trustworthy Internet. *Design, Use, Build Seminar at University of Washington*. 6 October 2021
- 2021 Imagine All The People On A Trustworthy Internet. *Human Computer Interaction Institute at Carnegie Mellon University*. 24 September 2021
- 2021 Interdisciplinary Data Science Career panel. *CDAC Summer Lab at University of Chicago*. 18 August 2021.
- 2021 Is This An Ad: Automatically Disclosing Online Endorsements with AdIntuition. *Office of Technology Research and Investigation Seminar Series at the Federal Trade Commission held virtually*. 4 August 2021.
- 2021 Only 3 Left At This Price: A Tale Of Misleading Online Content and Consumer Protections. *17<sup>th</sup> Annual Centre for Competition Policy Conference on Rethinking Consumer Policy: Lessons learned and options for reform held virtually at University of East Anglia, United Kingdom*. 24 June 2021.
- 2021 Imagine All The People On A Trustworthy Internet. *College Readiness Workshop on Applications of Artificial Intelligence held by Office of Special Programs at University of Chicago*. 14 April 2021.
- 2021 Keeping Kids Safe Online Workshop. *Murray Language Academy Elementary School in Chicago*. 7 April 2021.
- 2021 Imagine All The People On A Trustworthy Internet. *GVU Center at College of Interactive Computing at Georgia Institute of Technology*. 1 April 2021.
- 2021 Making The Internet More Trustworthy And Inclusive. *Lightning Talks at The Women in Data Science Conference (Chicago)*. 12 March 2021.
- 2021 Interdisciplinary Data Science panel. *CDAC Rising Stars in Data Science at University of Chicago*. 11 January 2021.
- 2020 Kids' Privacy and Security During Online Learning. *CHI Hack Night*. 8 December 2020.
- 2020 2020 Virtual Career Conference for High School Students. *Office of Special Programs at University of Chicago*. 6 November 2020.

- 2020 Tackling Security At The Margins: Case Studies From An Internet Transparency Lens. *MIT CSAIL Security Seminar Series 2020*. 29 October 2020.
- 2020 Academic Information Panel at Ada Lovelace Week. *Department of Computer Science at University of Chicago*. 16 October 2020.
- 2020 Connecting Contexts: Keeping Kids Safe Online? *Third Grade Parent Connect Talk at University of Chicago Laboratory Schools*. 15 October 2020.
- 2020 I Can See Clearly Now: Empowering People Through Internet Transparency. *Summer Lab at Center for Data and Computing at University of Chicago*. 15 July 2020.
- 2020 *Women in STEM's ATHENA Virtual Lecture Day*. 24 May 2020.
- 2020 Keeping Kids Safe Online Workshop. *Murray Language Academy Elementary School in Chicago*. 1 April 2020.
- 2020 Addictive Technology. *Booth Big Question at University of Chicago*. 19 February 2020.
- 2019 Only 3 Left At This Price: A Tale Of Misleading Online Content and Consumer Protections. *MS-Capp Lunchtime Seminar at Harris School of Public Policy at University of Chicago*. 22 October 2019.
- 2019 Is This An Ad? Revealing Endorsements on YouTube and Pinterest. *Summer Institute on Computational Social Sciences at University of Cape Town*. 20 June 2019.
- 2018 Introduction to Human-Computer Interaction. *Summer Institute on Computational Social Sciences at University of Cape Town*. 19 June 2018.
- 2018 Introduction to Computer Ethics. *Summer Institute on Computational Social Sciences at University of Cape Town*. 19 June 2018.
- 2018 Parting the Cloud: Empowering End-Users Through Internet Transparency. *User Experience Professional Association at Princeton Public Library*, 21 May, 2018.
- 2018 Parting the Cloud: Empowering End-Users Through Internet Transparency. *Department of Computer Science at Princeton University*, 20 February, 2018.
- 2017 Spiders in the Sky: Investigating User Perceptions of The Privacy and Security Implications of Drones, *Center for Information Technology Policy at Princeton University*, 14 February, 2017.
- 2016 They Keep Coming Back Like Zombies: Improving Software Updating Interfaces, *Department of Computer Science at University of Cape Town*, 28 July, 2016.
- 2016 Like Zombies They Keep Coming Back: Improving The User Experience of Software, *Laboratory for Telecommunication Sciences Maryland*, February 18, 2016.
- 2016 Usable, Livable, and Inclusive Cybersecurity, *MC2 Symposium at University of Maryland, College Park*, December 7, 2015.
- 2015 Like Zombies They Keep Coming Back: Improving The User Experience of Software, *Center for Information Technology Policy at Princeton University*, November 24, 2015.
- 2015 Like Zombies They Keep Coming Back: Improving The User Experience of Software, *Cornell Tech*, November 23, 2015.
- 2015 Like Zombies They Keep Coming Back: Improving The User Experience of Software, *Department of Computer Science at Columbia University*, November 23, 2015.
- 2015 A Mixed-Methods Study of User's Mobile Data Usage Practices in South Africa, *Google Virtual Conference at Google Mountain view*, October 16, 2015.
- 2015 A Mixed-Methods Study of User's Mobile Data Usage Practices in South Africa, *Department of Computer Science, University of Cape Town*, July 23, 2015.
- 2015 uCap: A Data Cap Management Tool for the Home, *Open Technology Initiative at New America Foundation*, January 30, 2015.
- 2014 While the Meter Is Running: Helping Consumers Manage Internet Data, *Center for Information Technology Policy at Princeton University*, November 11, 2014.

- 2014 Human Behaviors and Cyber Vulnerabilities, *Science of Security Lablet Meeting, University of Maryland*, October 28, 2014.
- 2014 uCap: A Data Cap Management Tool for the Home, *Department of Computer Science, University of Cape Town*, July 26, 2014.
- 2014 Measuring Broadband Performance in South Africa, *Center for Educational Technology, University of Cape Town*, January 15, 2014.
- 2014 uCap: A Data Cap Management Tool for the Home, *31<sup>st</sup> Annual HCIL Symposium at University of Maryland, College Park*, May 29, 2014.
- 2013 HCI and Networking: Taming the Internet One Bit At A Time, *HCIL Brown Bag, iSchool, University of Maryland, College Park*, October 10, 2013.
- 2013 Measuring Broadband Quality of Service, *ResearchICTAfrica Workshop, Winchester Mansions Hotel, Cape Town, South Africa*, May 7, 2013.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *School of Computer Science, College of Computing, Georgia Institute of Technology*, May 8, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *iSchool, University of Washington*, April 24, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *Department of Computer Science, University of Wisconsin-Madison*, April 16, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *Google Research, Mountain View CA*, April 6, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *Department of Computer Science, New York University*, March 30, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *Department of Computer Science, Polytechnic Institute of New York University*, March 29, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *Department of Computer Science, Northwestern University*, March 19, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *iSchool, University of Maryland, College Park*, March 6, 2012.
- 2012 When Protocols Meet People: Interface Design for Home Networks, *Department of Computer Science, Brown University*, February 9, 2012.
- 2011 Making Networked Infrastructure Manageable: A Case Study of Home Networking. *Max Planck Institute for Software Systems, Kaiserslautern, Germany*, November 24, 2011.
- 2011 What Are Sources of Home Network Complexity And How Can We Help Home Users To Deal With Them? *IEEE Computer Communications Workshop, Hyannis, MA*, October 11, 2011.
- 2011 Why Is My Internet Slow? Making Network Speeds Visible. *HCI lunch at Google, Mountain View, CA*, August 1, 2011.
- 2011 Why Is My Internet Slow? Making Network Speeds Visible. *Technicolor, Palo Alto, CA*, July 29, 2011.
- 2011 Why Is My Internet Slow? Making Network Speeds Visible. *Networking group in Computer Science at Stanford, Palo Alto, CA*, July 28, 2011.
- 2010 Making Infrastructure Visible in the Home: A Case Study of Home Networking. *Interaction and Experience group at Intel Labs, Portland*, November 5, 2010.
- 2010 Why Is My Internet Slow? Making Network Speeds Visible. *Department of Computer Science, University of Cape Town, South Africa*, October 7, 2010.
- 2010 The Ins and Outs of Home Networking: The Case for Useful and Usable Domestic Networking. *TOCHI journal paper presented at CHI 2010*, April 14, 2010.
- 2010 Who's Hogging The Bandwidth?: The Consequences of Revealing the Invisible in the Home. *GVU Brown Bag, Georgia Institute of Technology*, April 1, 2010.

- 2009 It's Not Easy Being Green: Understanding Home Computer Power Management. *GVU Brown Bag, Georgia Institute of Technology*, March 12, 2009.
- 2008 Getting to Green: Understanding Resource Consumption in the Home. *GVU Brown Bag, Georgia Institute of Technology*, September 11, 2008.
- 2007 How Smart Homes Learn: The Evolution of the Networked Home and Household. *GVU Brown Bag, Georgia Institute of Technology*, September 6, 2007.
- 2007 Threads for Development: Computer Education Revolutions for Sub-Saharan Africa. *GVU Brown Bag, Georgia Institute of Technology*, March 8, 2007.

## GRANTS

- 2022 Data and Democracy Seed Grant  
 Sponsor: Data Science Institute at University of Chicago  
 Investigator(s): M. Chetty, N. Feamster, G. Lakier, and C. Tan.  
 Amount: \$50,000  
 Awarded: December 2021-December 2022
- 2021-2026 P50 Chicago Chronic Condition Equity Network (C3EN)  
 R01: Voice-Activated Technology to Improve Mobility & Reduce Health Disparities: EngAGEing African American Older Adult-Care Partner Dyads  
 Investigator(s): M. Chetty, N. Feamster, L. Hawkey, and M. Huisinigh-Scheetz  
 Amount: \$4,100,000  
 Awarded: September 2021-June 2026
- 2021-2026 CAREER: Investigations of Educational Technology to Safeguard Children's Privacy  
 Sponsor: National Science Foundation  
 Investigator(s): M. Chetty  
 Amount: \$550,000  
 Awarded: July 2021-June 2026
- 2020-2023 Connecting Contexts: Building Foundational Digital Privacy and Security Skills for Elementary School Children, Teachers, and Parents  
 Sponsor: National Science Foundation  
 Investigator(s): J. Vitak, T. Clegg, and M. Chetty  
 Amount: \$501,658  
 Awarded: Feb 2020-Feb 2023
- 2018-2019 Understanding How Mobile Users' Understand and Manage Privacy On Social Media in South Africa  
 Sponsor: Facebook Securing the Internet Research Award  
 Investigators: M. Chetty and S. Wyche  
 Amount: \$67,000
- 2018-2019 Keeping Kids Safe: Equipping Elementary School Kids with Online Safety Skills  
 Sponsor: Google Faculty Research Award  
 Investigators: M. Chetty, J. Vitak, and T. Clegg  
 Amount: \$50,000  
 Awarded: March 2018-March 2019

- 2014-2018      EPICA: Empowering People To Overcome Information Control and Attacks  
 Sponsor: National Science Foundation  
 Investigator(s): W. Lee, M. Bailey, M. Chetty, N. Feamster, and H. Klein  
 Amount: \$275,000  
 Awarded: June 2014-June 2018
- 2016-2017      Keeping Kids Safe: Understanding Kids' Mental Models of Online Safety  
 Sponsor: Google Faculty Research Award  
 Investigators: M. Chetty and T. Clegg  
 Amount: \$46,100  
 Awarded: April 2016-April 2017
- 2014-2017      Establishing a Science of Security Lablet at University of Maryland  
 Sponsor: National Security Agency  
 Investigator(s): M. Chetty, T. Dumitras, V.S. Subrahmanian, and A. Prakash  
 Amount: \$214,392  
 Awarded: January 2014-February 2017
- 2014-2015      Connecting Africa: Understanding usage patterns of mobile users on metered connections  
 Sponsor: Google Faculty Research Award  
 Investigator(s): M. Chetty  
 Amount: \$40,000  
 Awarded: March 2014-March 2015

## **SERVICE AND OTHER ACTIVITIES**

### *External Service and Panels*

- 2023              Program Committee, *ConPro Workshop 2023*
- 2022              Program Committee, *IEEE Privacy and Security 2022*
- 2022              Privacy and Security Subcommittee Co-Chair, *CHI 2023*
- 2022              Program Committee, *ConPro Workshop 2022*
- 2021              Privacy and Security Subcommittee Co-Chair, *CHI 2022*
- 2021              Panelist for Secure and Trustworthy Computing Program at National Science Foundation  
 (virtual panel)
- 2021              Program Committee, *ConPro Workshop 2021*
- 2021              Program Committee, *CSCW 2021*
- 2020-2021        Program Committee, *USENIX Security*
- 2020              Privacy and Security Program Committee, *CHI 2021*
- 2019-2020        Program Committee, *CSCW 2020*
- 2019              Privacy and Security Program Committee, *CHI 2020*
- 2018              Program Committee, *NDSS 2019, Workshop on Usable Security (USEC) 2019*
- 2018-2019        Program Committee, *USENIX Security*
- 2018              Program Committee, *CSCW 2018 Workshop on Privacy in Context: Critically Engaging with Theory to Guide Privacy Research and Design*
- 2018              Program Committee, *CHI 2018 Workshop on Individual Differences in Privacy*
- 2018              Program Committee, *COMPASS 2018*
- 2018              Program Committee, *CSCW 2018*
- 2017-2018        Program Committee for the European Workshop on Usable Security (*EuroUSEC 2018*)



2017-2018 Program Committee for the Workshop on Usable Security (*USEC 2018*) collocated with *NDSS*  
2017-2018 Program Committee, *SOUPS 2018*  
2017 Privacy, Security and Visualization Program Committee, *CHI 2018*  
2017 Ph.D. Program Committee, *WWW 2017*  
2017-2018 Associate Editor/Program Committee, *IMWUT Journal (Formerly Ubicomp conference)*  
2016 Panelist for Secure and Trustworthy Computing Program at National Science Foundation (virtual panel)  
2016 Privacy, Security and Visualization Program Committee, *CHI 2017*  
2015 Specific Application Areas Program Committee, *CHI 2016*  
2015 Program Committee, *HotSoS 2015*  
2015 Program Committee, *ICTD 2015*  
2015 Program Committee, *UbiComp 2015*  
2014 Papers Co-Chair, *DEV 2014*  
2014 Program Committee, *UbiComp 2014*  
2014 Panelist, *Secure and Trustworthy Computing Program at National Science Foundation*  
2013 Program Committee, *Intelligent User Interfaces for Developing Regions at Intelligent User Interfaces 2013*  
2013 Program Committee, *Smart Data Pricing Workshop at Infocomm 2013*  
2012-2013 Program Committee, *ICTD 2013*  
2011-2012 Specific Applications Area Program Committee, *CHI 2012*  
2011-2012 Program Committee, *ICTD 2012*  
2011-2012 Co-Chair W-MUST Workshop, *SIGCOMM 2012*  
2011-2012 Posters Co-Chair, *UbiComp 2012*  
2011 Ph.D. Forum Subcommittee, *Grace Hopper Conference 2011*  
2010 Publications Chair, *UbiComp 2010*  
2010 Student Volunteer, *UbiComp 2010*  
2009 Works In Progress Program Committee, *CHI 2009*  
2008 HCI for Community and International Development Workshop, *CHI 2008*  
2008 Building an International Community: Designing Interactive Systems for Communities in the Developing World, *DIS 2008*  
2008 Student Volunteer On-Site Co-Chair, *UbiComp 2008*  
2004 Assistant to sub-editor for SAIEEE Transactions Journal, *Special Issue on Software Engineering and Formal Methods*

### *Reviewing*

COMPASS (2018)  
CHI (2006, 2008-2022)  
Creativity and Cognition  
CSCW (2004, 2006, 2008, 2010-2021)  
DEV (2014, 2015)  
DIS (2010-2011)  
Grace Hopper (2010-2012)  
Graphics Interface (2018)  
ICTD (2011-2015)  
IEEE Pervasive  
IEEE/ACM Transactions of Networking

Information Visualization (2009)  
Information Technologies and International Development (ITID)  
Interacting with Computers Journal  
Transactions of Internet Technology Journal  
UbiComp/IMWUT Journal (2008-2018)  
UIST (2008, 2011)

*Computer Science Department, University of Chicago*

2021-2022 Graduate Committee  
2021-2022 External Relations Committee  
2019-2022 PhD Admissions Committee

*Computer Science Department, Princeton University*

2017-2019 RISE Event Co-Organizer  
2017 Distinguished Lecture in HCI Fall Speaker Series Coordinator  
2016-2017 HCI Faculty Search Committee

*iSchool, University of Maryland, College Park*

2014 Retreat Committee on High Impact Research, Institute for Advanced Computing Studies  
2013-2016 Master's in Human Computer Interaction Committee  
2013 Master's in Information Management Committee

*College of Computing, Georgia Institute of Technology*

2012 Judge for Postgraduate Research Spring Symposium  
2012 Judge for Yahoo! HackU at College of Computing  
2010 Judge for Undergraduate Research Spring Symposium  
2007-2008 School of Interactive Computing Representative for Graduate Student Council  
*Duties:* Liaison between School chair, faculty, and graduate students. Attended faculty meetings and had regular meetings with the school chair.  
2007-2008 Co-Leader of Graduate Women@cc Organization  
*Duties:* Organized social and mentoring events for graduate women.  
2007-2008 Co-Coordinator Human-Computer Interaction graduate seminar  
2006-2008 Mentor in Women@cc Big-Little Sisters program  
2006-2007 President of Graduate Student Council  
*Duties:* Supervised council activities, held regular meetings open to all graduate students, and liaised with school administration on behalf of graduate student matters.  
2006-2007 Head of Graduate Student Council Travel Funds Committee  
*Duties:* Created policy for travel funds and application procedures. Oversaw first round of applications for travel grants and selected winners.  
2006-2007 Co-coordinator of GVU Coffee and Cookie Break

*Computer Science Department, University of Cape Town*

2004 Postgraduate representative for Computer Science  
2004 Science Faculty postgraduate Students Association Member

|      |   |
|------|---|
| 2004 | Treasurer ACM student chapter for University of Cape Town   |
| 2004 | Mathematics tutor for senior high school students in Khayalitsha township with Ikamva Lesizandleni Zethu organization |
| 2003 | Postgraduate informal talks coordinator   |

## STUDENT SUPERVISION

*University of Chicago*

### ***PhD Student Advisor***

|                       |  |
|-----------------------|--|
| Fall 2021-Present     | Jake Chanenson                                   |
| Fall 2021-Present     | Kelly Wagman                                     |
| Spring 2020-Present   | Brennan Schaffner                                |
| Fall 2019-Spring 2020 | Michelle Aninye, <i>Co-Advisor with Blasé Ur</i> |

### ***PhD Student Thesis Committee***

|      |  |
|------|--|
| 2022 | Jenna Cryan, <i>Advisors: Ben Zhao and Heather Zheng</i> |
| 2020 | Jean Salac, <i>Advisor: Diana Franklin</i>               |

### ***Master's Thesis Committee***

|      |  |
|------|--|
| 2019 | Jean Salac, <i>Advisor: Diana Franklin</i> |
|------|--|

### ***Master's Students Thesis Advisor***

|                       |   |
|-----------------------|---|
| Fall 2020-Spring 2021 | Regina Catipon, <i>Computational Social Science Master's Thesis</i> |
|-----------------------|---|

### ***Master's Students Research Assistant***

|                       |  |
|-----------------------|--|
| Fall 2020-Fall 2021   | Solomon Dworkin, <i>Master's in Computer Science</i>                     |
| Fall 2020-Spring 2021 | Shai Slotky, <i>Master's in Computational Analysis and Public Policy</i> |

### ***Undergraduate Students Thesis Advisor***

|                       |   |
|-----------------------|---|
| Fall 2020-Spring 2022 | Kevin Song, <i>Computational Social Science Thesis</i>  |
| Fall 2020-Spring 2021 | Neha Lingareddy, <i>Undergraduate Computer Science Thesis</i>   |
| Fall 2019-Spring 2022 | Shriya Bansal, <i>Undergraduate Computer Science Thesis, *Honorable Mention for Computing Research Association (CRA) Undergraduate Research Award</i> |

### ***Undergraduate Students Research Assistant/Independent Work***

|                       |   |
|-----------------------|---|
| Fall 2022-Present     | Michael Cheng, <i>Independent Work</i>      |
| Fall 2022-Present     | Andre Dang, <i>Independent Work</i>         |
| Fall 2022             | Evan Chorleton, <i>Independent Work</i>     |
| Summer 2022           | Grace Wang, <i>Independent Work</i>         |
| Spring 2022           | Liv Campili, <i>Independent Work</i>        |
| Spring 2022-Fall 2022 | Logen (Jiatong) Li, <i>Independent Work</i> |
| Spring 2022-Fall 2022 | Zoe Torok, <i>Independent Work</i>          |

|                         |  |
|-------------------------|--|
| Fall 2021-Winter 2022   | Vallary Muhalia, <i>Independent Work</i>                                     |
| Fall 2021-Winter 2022   | Elaine Wan, <i>Independent Work</i>  |
| Summer 2021-Spring 2022 | Amy Morill   |
| Summer 2021             | Chimaobi Amanchukwu, <i>Center for Data And Computing High School Intern</i> |
| Spring 2021             | Tara Aggarwal, <i>Independent Work</i>                                       |
| Spring 2021             | Walker Cook, <i>Independent Work</i>   |
| Fall 2020-Spring 2022   | Kevin Song, <i>Computational Social Science</i>                              |
| Summer 2020-Spring 2021 | Maia Boyd, <i>Co-Advisor with Blasé Ur</i>                                   |
| Summer 2020-Spring 2021 | Archie Brohn   |
| Summer 2020-Fall 2020   | Fiona O'Connell  |
| Winter 2020-Winter 2022 | Jason Chee   |
| Winter 2020-Fall 2021   | Oishee Chakrabarti, <i>Independent Work</i>                                  |
| Winter 2020-Winter 2021 | Lucy Li  |
| Winter 2020-Spring 2020 | Ethan Walderman, <i>Co-Advisor with Blasé Ur</i>                             |
| Winter 2020             | Riley Osborn, <i>Independent Work</i>  |

*Princeton University*

Fall 2017-Fall 2020

***PhD Student Advisor***

Arunesh Mathur, *Graduated. \*SIGCHI Outstanding Dissertation Award. First job: Competitions Market Authority in the United Kingdom*

Spring 2018

***PhD Student Thesis Committee (Non-Reader)***

Arpit Gupta, *Advisor: Nick Feamster*

Fall 2018-Spring 2019

Nora Willett, *Advisor: Adam Finkelstein*

Fall 2017-Spring 2018

Zeyu Jin, *Advisor: Adam Finkelstein*

Fall 2016-Summer 2017

Reid Oda, *Advisor: Rebecca Fiebrink*

Fall 2016-Summer 2017

KatieAnna Wolf, *Advisor: Rebecca Fiebrink*

Fall 2017-Summer 2018

***PhD Student Research Assistants***

Laura Roberts, *Computer Science Ph.D.*

Summer 2017-Spring 2018

Annie Edmondson, *Computer Science Ph.D.*

Summer 2017

***Master's Student Research Assistants***

Mark Martinez, *Master's in Computer Science*

Fall 2018-Spring 2019

***Undergraduate Student Computer Science Senior Thesis Advisor***

Jake Reichel

Fall 2018-Spring 2019

Michael Swart

Fall 2018-Spring 2019

Andre Xiong

Fall 2017-Spring 2018

Ben Cohen

Fall 2017-Spring 2018

Waraqul Islam

Fall 2017-Spring 2018

Jonathan Yang

***Undergraduate Student Computer Science Senior Thesis Second Reader***

Spring 2019

Jerry Wei, *Advisor: Jonathan Mayer*

Spring 2017

Katie Hanss, *Advisor: Thomas Funkhouser*

Spring 2017

Nicole Marvin, *Advisor: Thomas Funkhouser*

Spring 2017

Serena Zheng, *Advisor: Nick Feamster*

Fall 2017-Spring 2018

Leila Clark, *Advisor: Jeremie Lombroso*

Fall 2017-Spring 2018

Nico Bayless, *Advisor: Barbara Engelhardt*

Fall 2017-Spring 2018

Melana Hammel, *Advisor: Margaret Martonosi*

Fall 2017-Spring 2018

Jonathan Zong *Advisor: Nate Matias*

***Undergraduate Independent Work***

Summer 2020-Fall 2021

Kevin Feng

Fall 2018-Spring 2019

Theodor Marcu

Fall 2018

Olivia Johnson

Summer 2018

Daniel Braga

Spring 2018

Madeleine Cheyette

Spring 2018

Mihika Kapoor

Summer 2017

Robert Liu

*University of Maryland, College Park*

***PhD Student Advisor***

Fall 2014-Spring 2017

Arunesh Mathur, *Pb.D. in Information Studies*

***PhD Student Research Assistants***

Fall 2016-Spring 2021

Priya Kumar, *Pb.D. in Information Studies*

***Master's Thesis Advisor***

Fall 2014-Spring 2016

Arunesh Mathur, *Master's of Human Computer Interaction*

***Master's Thesis Committee***

2020

Lisa Rogers, *Master's of Human Computer Interaction, Advisor: Michelle Mazurek*

Spring 2015

Jestin Ledlum, *Master's of Information Management, Advisor: Beth St. Jean*

Spring 2014

Myeong Lee, *Master's of Information Management, Advisor: Brian Butler*

Spring 2014

Maia Naftali, *Master's of Human Computer Interaction, Advisor: Leah Findlater*

***Master's Students Research Assistants***

Summer 2017-Summer 2018

Lisa Rogers, *Master's of Human Computer Interaction*

Spring 2017

Shalmali Naik, *Master's of Human Computer Interaction*

Fall 2016-Spring 2018

Julie Romanosky, *Master's of Human Computer Interaction*

Spring 2016 & Spring 2017

Utkarsha Devkar, *Master's of Information Management*

|                         |  |
|-------------------------|--|
| Spring 2016-Spring 2017 | Pramod Chundury, <i>Master's of Human Computer Interaction</i>     |
| Spring 2016             | Boney Yeldho, <i>Master's of Human Computer Interaction</i>        |
| Fall 2015-Spring 2016   | Rohan Bondili Singh, <i>Master's of Human Computer Interaction</i> |
| Fall 2015               | Brahm Persaud, <i>Master's of Human Computer Interaction</i>       |
| Summer 2015-Spring 2017 | Victoria Chang, <i>Master's of Human Computer Interaction</i>      |
| Fall 2014-Spring 2016   | Josefine Engel, <i>Master's of Information Management</i>          |
| Fall 2014-Spring 2015   | Kate Shepherd, <i>Master's of Information Management</i>           |
| Spring 2014-Spring 2015 | Sonam Sobti, <i>Master's of Information Management</i>             |

***Undergraduate Research Assistants/Independent Work***

|                       |   |
|-----------------------|---|
| Spring 2016           | Julie Romanosky, <i>Undergraduate Mechanical Engineering</i>  |
| Spring 2015           | David Zhu, <i>Undergraduate Computer Science Major</i>  |
| Spring 2014-Fall 2014 | Brent Schlotfeldt, <i>Undergraduate Computer Science Major</i>  |
| Spring 2014           | Javier Garcia, <i>Undergraduate Computer Science Major</i>  |
| Fall 2013             | Javier Garcia, Kevin Judd, Corey Lowman, Robert Moore, <i>Undergraduate Computer Science Majors, Independent Work Group Project</i> |

*External Examiner*

|      |   |
|------|---|
| 2019 | <b><i>PhD Thesis</i></b><br>Sana Maqsood, <i>Carleton University, Canada, Advisor: Sonia Chiasson</i> |
|------|---|

|      |  |
|------|--|
| 2022 | <b><i>Master's Thesis</i></b><br>Dominique Oosthuizen, <i>University of Cape Town, South Africa, Advisor: Melissa Densmore</i> |
|------|--|

*College of Computing, Georgia Institute of Technology*

|             |  |
|-------------|--|
| Summer 2012 | <b><i>PhD Student Research Assistants</i></b><br>Rebecca Rouse, <i>Ph.D. Digital Media</i> |
|-------------|--|

|                         |   |
|-------------------------|---|
| Spring 2012             | <b><i>Master's Student Research Assistants</i></b><br>Zuiena Kabir, <i>Master's in Human Computer Interaction</i> |
| Spring 2012             | Hyewon Suh, <i>Master's in Computer Science</i>   |
| Fall 2011 & Spring 2012 | Boris du Souza, <i>Master's in Computer Science</i>   |
| Spring-Summer 2008      | David Tran, <i>Master's in Computer Science</i>   |
| Spring 2008             | Shashank Raval, <i>Master's in Computer Science</i>   |
| Spring 2008             | Alicia Nachman, <i>Master's in Human Computer Interaction</i>   |
| Spring 2006             | Ja-Young Sung, <i>Master's in Human Computer Interaction</i>  |

|   |   |
|---|---|
| Summer 2012                                       | <b><i>Undergraduate Research Assistants/Independent Work</i></b><br>Michael Dandy, <i>Undergraduate Computer Science Senior</i> |
| Sum 2010, Spring 2011,<br>Fall 2011 & Spring 2012 | Bethany Sumner, <i>Undergraduate Computer Science Sophomore</i>   |
| Summer 2010                                       | Ugochi Ofoha, <i>Undergraduate Computer Science Senior</i>  |
| Spring 2010                                       | Andrew Baird, <i>Undergraduate Computer Science Senior</i>  |
| 2009-2010   | David Haslem, <i>Undergraduate Computer Science Senior</i>  |

2008-2009

Jin Yao, *Undergraduate Computer Science Senior*

Fall 2008

Eric Bolten, Michael Orr, Teddy Stotis, and Joshua Slaughter, Undergraduate  
Computer Science Seniors, *Independent Work*

Spring 2008

Adam Allred, Ryan Cino, Mary Gezo, and Jared Salzmann Undergraduate  
Computer Science Seniors, *Independent Work*

## **REFERENCES**

*Available on request.*