

Allison McDonald

Contact

Email: amcdon@umich.edu

Website: <https://amcdon.com>

Education

University of Michigan, Ann Arbor, MI 2016 – present

PhD, Computer Science

Advisors: J. Alex Halderman & Florian Schaub

Selected Coursework: Advanced Computer Networks, Advanced Cryptography, Advanced Operating Systems, Advanced Artificial Intelligence, Law of the Internet (Michigan Law School), Cyber Conflict (Ford School of Public Policy)

Europa-Universität Viadrina, Frankfurt (Oder), Germany 2015 – 2016

Master of International Human Rights and Humanitarian Law (LLM)

Two semester, non-degree seeking student

University of Michigan, Ann Arbor, MI 2010 – 2015

Bachelor of Science in Engineering, Computer Science

Bachelor of Science, German

Publications

403 Forbidden: A Global View of CDN Geoblocking

Allison McDonald, Matt Bernhard, Luke Valenta, Benjamin VanderSloot, Will Scott, Nick Sullivan, J. Alex Halderman, Roya Ensafi

ACM Internet Measurement Conference (IMC'18), October 2018

Quack: Scalable Remote Measurement of Application-Layer Censorship

Benjamin VanderSloot, Allison McDonald, Will Scott, J. Alex Halderman, Roya Ensafi

27th USENIX Security Symposium (Sec'18), August 2018

Keeping a Low Profile? Technology, Risk and Privacy among Undocumented Immigrants

Tamy Guberek, Allison McDonald, Sylvia Simioni, Abraham H. Mhaidli, Kentaro Toyama, Florian Schaub

ACM CHI Conference on Human Factors in Computing Systems (CHI'18), April 2018

An ISP-Scale Deployment of TapDance

Sergey Frolov, Fred Douglas, Will Scott, Allison McDonald, Benjamin VanderSloot, Rod Hynes, Adam Kruger, Michalis Kallitsis, David G. Robinson, Nikita Borisov, J. A. Halderman, and Eric Wustrow

Proc. 7th USENIX Workshop on Free and Open Communications on the Internet (FOCI'17), August 2017

Talks

Keeping a Low Profile?: Technology, Risk and Privacy among Undocumented Immigrants

SUMIT 2018 Cyber Security Conference, Ann Arbor, USA, October 25, 2018

Uncertain Concern: How Undocumented Immigrants in the US Navigate Technology

34th Chaos Communications Congress (34C3), Leipzig, Germany, December 30, 2017

Allison McDonald

Awards & Honors

Best Paper Award, CHI'18

Keeping a Low Profile?: Technology, Risk and Privacy among Undocumented Immigrants

Rackham Merit Fellowship, 2016

Provides funding for two years to incoming PhD students with outstanding academic background.

Roger M. Jones Fellowship, 2015

Awarded to one graduating engineer at the University of Michigan in order to broaden and deepen an engineering education through studying the humanities at a European University.

Baden-Württemberg Stipendium Recipient, 2012

Awarded for academic merit to fund international students enrolled in universities in Baden-Württemberg, Germany.

Teaching

EECS 388: Introduction to Computer Security, University of Michigan

Fall 2018

Graduate Student Instructor

Employment

Expedia, Inc., Bellevue, WA

May 2014 – August 2014

Software Intern

Designed and implemented system to retry failed payments.

University of Michigan, College of Engineering, Ann Arbor, MI

January 2011 – May 2015

CAEN Hotline Consultant

Assisted students and faculty with managing and using their computing accounts.

Service

Dissonance Event Series

Organizing Member

September 2016 – present

Dissonance explores topics of security, privacy, law, and ethics by bringing together speakers from many disciplines and facilitating challenging discussions.

Ensemble of CSE Ladies

Treasurer

June 2018 – present

ECSEL is a group to support graduate women students in Computer Science at the University of Michigan.

Conference Reviewer

ACM CHI Conference on Human Factors in Computing Systems

2018

Computer Science Graduate Student Organization

Vice President and Treasurer

May 2017 – May 2018

CSEG is the graduate student organization representing graduate computer science students at the University of Michigan.

Allison McDonald

Activities

Computer Security Workshops, 2016 – present

I design and lead computer security workshops.

- Latinx community workshops, July 2018
- Latinx community workshops, November 2017
- Knight-Wallace Fellows, October & November 2017
- Knight-Wallace Fellows, April 2017
- Clean Water Action, May 2017
- Privacy and Technology Law Association, January 2017
- International Human Rights Law Master's Program, April 2016

LSWE-SUCCESS, 2015

Participated in planning a leadership camp in Kakata, Liberia. The camp was organized as a cooperation between the Graduate Society of Women Engineers at the University of Michigan and Liberian women in engineering and science higher education programs.

GirlsEncoded Coordinator, 2014

Cofounded event to encourage high school girls to study computer science, which brought over 100 girls to the University of Michigan for a computer science day camp.

Science Camp in India, 2014

Designed and hosted a series of computer science activities in Walchandnagar, India, as part of a summer camp for secondary school students.