

HARLAN YU

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EDUCATION

Princeton University

Ph.D. Computer Science (2012)

Advisor: Prof. Edward W. Felten

Dissertation: *Designing Software to Shape Open Government Policy*. My research focused on the role of software as a mediator between governments and citizens. With the RECAP project, I designed software to liberate public court records from a government-provided, but paywalled, online access system. Another component analyzed the U.S. Code, and how software could help Congress make the Code—and its legislative process—more understandable.

University of California at Berkeley

B.S. Electrical Engineering and Computer Sciences (2004)

EXPERIENCE

Upturn (formerly Robinson + Yu) *Washington, DC* (Aug. 2011–present)

Co-founder. We work with a wide range of clients to better understand how technology works and why it matters. Among our projects, we have worked with major civil rights organizations to address technology's impact on social justice; built software for the U.S. House of Representatives to make the legislative process more efficient; helped Rock the Vote advocate for a more durable approach to online voter registration; and studied software tools to combat online censorship for the New America Foundation. For more, see <https://www.teamupturn.com>.

U.S. Department of Labor *Washington, DC* (Mar.–Aug. 2010)

I helped to develop and implement the Department's "Open Government Plan" during the early stages of the White House Open Government Directive. I provided technical and policy guidance for the Department on its open data projects, and represented the Department in interagency open government meetings.

Google Inc. *Mountain View, CA* (June–Aug. 2008; May–Aug. 2006)

In 2008, I served as a Policy Law Clerk on the global public policy team, where I analyzed policy issues relating to privacy, advertising, and broadband access. In 2006, I worked on the engineering team that handles application security, where I collaborated with senior Google engineers on internal systems security projects.

Top-To-Bottom Review of California Voting Systems *Princeton, NJ* (May–July 2007)

Under contract with the California Secretary of State, I served on the technical team that reviewed the source code of the Diebold touch-screen voting machine used in California. Our study found numerous weaknesses in the security of the Diebold system, which led the Secretary of State to decertify its use in California elections.

Electronic Frontier Foundation *San Francisco, CA* (May–Aug. 2004)

Working with both staff technologists and lawyers, I co-authored a white paper on best practices in data retention for online service providers.

SELECTED PUBLICATIONS Harlan Yu & David G. Robinson, *The New Ambiguity of “Open Government”*, 59 UCLA L. REV. DISC. 178 (2012).

Harlan Yu & Stephen Schultze, *Using Software to Liberate U.S. Case Data*, 18 ACM XRDS 12 (2011).

David G. Robinson, Harlan Yu and Edward W. Felten, *Enabling Innovation for Civic Engagement*, in OPEN GOVERNMENT: COLLABORATION, TRANSPARENCY, AND PARTICIPATION IN PRACTICE 83 (O’Reilly Media, 2010).

David G. Robinson, Harlan Yu, William P. Zeller & Edward W. Felten, *Government Data and the Invisible Hand*, 11 YALE J. L. & TECH. 160 (2009).

Joseph A. Calandrino, Ariel J. Feldman, J. Alex Halderman, David Wagner, Harlan Yu & William P. Zeller, *Source Code Review of the Diebold Voting System*, Commissioned Report for the State of California (2007).

Harlan Yu, Jennifer Rexford & Edward W. Felten, *A Distributed Reputation Approach to Cooperative Internet Routing Protection*, PROC. IEEE WORKSHOP ON SECURE NETWORK PROTOCOLS 73 (2005).

Sean Rhea, Brighten Godfrey, Brad Karp, John Kubiawicz, Sylvia Ratnasamy, Scott Shenker, Ion Stoica & Harlan Yu, *OpenDHT: A Public DHT Service and Its Uses*, PROC. ACM SIGCOMM 73 (2005).

TEACHING COS 432: Information Security, Prof. Edward W. Felten, Princeton (2006)

COS 333: Advanced Programming Techniques, Prof. Brian Kernighan, Princeton (2006)

COS 226: Algorithms and Data Structures, Prof. Kevin Wayne, Princeton (2005)

COS 116: The Computational Universe, Prof. Sanjeev Arora, Princeton (2008)