

Nick Doty

npdoty.name

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3141 College Ave, #2
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Education

School of Information — Master of Information Management and Systems

UC Berkeley; Berkeley, CA

September 2008 - May 2010

Substantial coursework in information law and policy and information organization. Technical Chair of the Information Management Student Association, coordinating the student use of technology with the school administration.

Amherst College — Bachelor of Arts in Philosophy *magna cum laude*

Amherst, MA

September 2002 - May 2006

Substantial coursework in computer science and artificial intelligence.

Experience

Lecturer: Information Organization Lab; Technology and Policy Lab

UC Berkeley; Berkeley, CA

January 2009 - Present

Researched, designed and co-taught a graduate course in hands-on rapid web development as a way for students to experiment with concepts of information organization and retrieval. Co-taught the class a second time in response to overwhelming positive feedback from students.

For more info, see: bit.ly/iolab10

Currently co-teaching the Technology and Policy Lab with Deirdre Mulligan to give students hands-on experience evaluating the technical and policy impacts of technical standard-setting and proposed government regulations.

For more info, see: ischool.berkeley.edu/courses/290-tp1

Researcher: Privacy and the W3C

UC Berkeley; Berkeley, CA

May 2009 - Present

Worked with Professors Deirdre K. Mulligan and Erik Wilde to document and analyze the World Wide Web Consortium's Geolocation API, its privacy implications and how it's used by browser makers and web site providers. Authored a report of our findings for consumption by the public and interested Congressional committees. Continue to participate in W3C workshops over the W3C's approach to privacy.

For more info, see: npdoty.name/location

Co-Founder: The Meaningful Location Project (MeLo)

UC Berkeley; Berkeley, CA

September 2009 - May 2010

Conceived of, designed and developed a system for tracking, categorizing and sharing personal location histories. MeLo recognizes that humans use meaningful, personal names and categories for places and provides a platform for location-based services to translate between latitude and longitude coordinates and such personally meaningful descriptions. Designed and developed a scalable geospatial platform including a full-featured RESTful API, user-facing website, privacy-protecting architecture for sharing location information and a mobile web interface.

For more info, see: www.meloproject.com

Consulting Developer

Virginia Joint Registry; Richmond, VA

July 2009 - December 2009

Researched various joint registries around the world to evaluate the Virginia Joint Registry approach to tracking the failure rates of replacement knees and hips. Analyzed the legal and privacy requirements for a large-scale research project. Met with hospital staff to understand their workflows and determine user needs and worked with hospital systems across Virginia to implement automatic data importation from hospital electronic medical record systems to the VJR database.

For more info, see: www.vajointregistry.org

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Experience (continued)

Software Development Engineer in Test

Microsoft Corporation; Redmond, WA

August 2006 - August 2008

Designed and implemented automated test cases to systematically evaluate and improve the quality of the communications and workflow frameworks (WF/WCF) in Windows Vista and application monitoring in BizTalk Server. Led effort to analyze crash report data from customers to isolate software problems.

Amherst Recording Council

Amherst College; Amherst, MA

April 2004 - May 2006

Founded a student organization to make recordings of various lectures that take place on campus. Created a database-driven website to make all of these recordings easily available to students, faculty, alumni and the public. Led over a dozen other students to schedule, make and edit audio and video recordings.
For more info, see: www.amherst.edu/arc

Publications

Ari Rabkin, Nick Doty and Deirdre K. Mulligan, "Facilitate, don't mandate", *IAB/W3C Internet Privacy Workshop*, December 2010. npdoty.name/papers/facilitate.pdf

Nick Doty and Erik Wilde, "Geolocation Privacy and Application Platforms", *ACM SIGSPATIAL International Workshop on Security and Privacy in GIS and LBS*, November 2010.

portal.acm.org/citation.cfm?id=1868470.1868485

Nick Doty and Erik Wilde, "Simple Policy Negotiation for Location Disclosure", *W3C Workshop on Privacy and data usage control*, October 2010. www.w3.org/2010/policy-ws/papers/03-Doty-Wilde-Berkeley.pdf

Nick Doty and Deirdre K. Mulligan, "The Importance of Privacy Hooks for Advanced Web APIs", *W3C Workshop on Privacy for Advanced Web APIs*, July 2010. npdoty.name/papers/privacyhooks.txt

Nick Doty, Deirdre K. Mulligan and Erik Wilde, "Privacy Issues of the W3C Geolocation API", UC Berkeley, School of Information: Report 2010-038, February 2010. escholarship.org/uc/item/Orp834wf

Nick Doty, "The Case for a Location Metasystem", *Second International Workshop on Location and the Web (LocWeb 2009)*, Boston, April 2009. npdoty.name/papers/metasystem.pdf

Skills

I have programming experience with **Python, C#, Java, SQL** (and **NoSQL**), **XML/HTML, CSS, JavaScript/jQuery, PHP, Objective-C, C, Perl, Processing** and **Flex**.

More importantly, I have experience **working with people** both technical (engineers at Microsoft) and non-technical (philosophy professors at Amherst); **understanding problems** in depth (not only the technical details but also the usability and policy implications); and **communicating solutions** to those problems clearly and cogently (including giving talks at Microsoft, Berkeley, the W3C and academic workshops; and teaching graduate students at Berkeley).