

Nick Doty

<http://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

Fall 2008 - Spring 2010

Substantial coursework in information law and policy, information organization and health information services. 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

Fall 2002 - Spring 2006

Experience

Co-Founder: The Meaningful Location Project (MeLo)
UC Berkeley; Berkeley, CA

Fall 2009 - Present

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: <http://www.meloproject.com>*

Graduate Student Instructor: Information Organization Lab
UC Berkeley; Berkeley, CA

January 2009 - Present

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. Researched and designed the course syllabus in the spring with Professor Bob Glushko. Currently codifying the curriculum into book form so that the course can be repeated at Berkeley and other institutions. *For more info, see: <http://bit.ly/iolab>*

Graduate Student Researcher: Privacy and the W3C Geolocation API
UC Berkeley; Berkeley, CA

May 2009 - May 2010

Worked with Professors Deirdre Mulligan and Erik Wilde to document and analyze the World Wide Web Consortium's Geolocation API, its privacy implications and how it's implemented and used by browser makers and web site providers. Participated in W3C meetings and mailing list discussions over the API's privacy provisions. Authored a report of our findings as a comment to the FTC and interested Congressional committees. *For more info, see: <http://npdoty.name/location>*

Consulting Developer

Virginia Joint Registry; Richmond, VA

Summer 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: <http://www.vajointregistry.org>

Software Development Engineer in Test
Microsoft Corporation; Redmond, WA

Summer 2006 - Summer 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

Spring 2004 - Spring 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: <http://www.amherst.edu/arc>*

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Publications

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. <http://escholarship.org/uc/item/0rp834wf>

Nick Doty, "The Case for a Location Metasystem", *Second International Workshop on Location and the Web (LocWeb 2009)*, Boston, April 2009. <http://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 (from giving a short talk about a technical hurdle to engineers and managers at Microsoft to teaching graduate students at Berkeley).