

Nick Doty curriculum vitae

<http://npdoty.name>

npdoty@ischool.berkeley.edu

(510) 859-3689

3141 College Ave, #2
Berkeley, CA 94705

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

International School Bangkok — Valedictorian
Bangkok, Thailand

Fall 2000 - Spring 2002

Experience

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

May 2009 - Present

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. Currently compiling a report of our findings as a comment to the Federal Trade Commission privacy roundtable series.

For more info, see: <http://npdoty.name/location>

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. Explored, learned and then taught web programming technologies including Python, jQuery, RDF and Google App Engine. Currently codifying the curriculum into book form so that the course can be repeated at Berkeley and other institutions.

For more info, see: <http://courses.ischool.berkeley.edu/i290-4/f09/>

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. Designed and developed a new system to ease registration for both surgeons and hospitals. Gathered and consolidated information on surgeons, hospitals and joint replacements for data analysis and visualization. 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>

Consulting Programmer

Nimbus Health; Seattle, WA

Fall 2008 - Spring 2009

Researched, tested and implemented an optical character recognition (OCR) system for Nimbus Health's electronic medical records system to increase the ease and speed with which insurance coders and auditors can review a medical chart.

For more info, see: <http://www.nimbushealth.com>

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 and WCF) in Windows Vista and application monitoring tools in BizTalk Server. Led efforts to collect and manage crash report data from customers world-wide and to perform statistical analysis of this data to isolate software problems. As a new hire, participated in an apprentice program to provide technical training to graduates without computer science degrees in order to create a more diverse group of software engineers for the company.

<http://npdoty.name>

npdoty@school.berkeley.edu

(510) 859-3689

3141 College Ave, #2

Berkeley, CA 94705

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. Coordinated with the Public Affairs Office at Amherst College to obtain technical and financial support and to cover special events. Led over a dozen other students to schedule, make and edit audio and video recordings. *For more info, see: <http://www.amherst.edu/arc>*

Advanced Student Technology Program

Center for Educational Technology, Middlebury College; Middlebury, VT

Summer 2005

Completed a month long intensive study of software and theory concerning digital media. Discussed topics including "new media," podcasting, video game design, videography, information design, social software and GIS. Technical training included Final Cut Pro, Maya, Photoshop, CSS and Flash. Conceived of, designed and coded a prototype mash-up application to let students add various media to an online college map.

Curricular Computing Summer Intern

Amherst College; Amherst, MA

Summer 2004 and 2005

Designed and coded faculty and staff projects including: an online self-quiz for students learning Japanese alphabets; a faculty-friendly website front-end for an FTP exchange of geology presentation materials; a database-driven server and shell script client system (over HTTP) to track and display usage of public computers in a mixed Windows/Mac environment; and a database-backed website for collecting and displaying philosophical questions and answers. *For more info, see: <http://www.askphilosophers.org>*

Publication

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

Skills

I have experience with **C#** (two years programming full-time at Microsoft), **Java** (class projects back in college and some JSF), **SQL** (both MySQL and MS SQL), **XML/HTML** (both hand-written websites and structured document modeling), **CSS** (enough to control layout and style), **Javascript** (enough jQuery to add dynamism), **Perl** (as a useful occasional tool), **PHP** (the first web programming language I used), **Python** (an enthusiastic beginner using Google App Engine), **Objective-C** (a little experience with both iPhone and Mac development), **C** and **C++** (just enough to get by), **Processing** (along with **Wiring**, enough for simple projects) and **Flex** (enough for a single visualization project using **Flash** and **Flare**).

I'm very comfortable with variants of **Windows**, **Linux**, the **Mac OS** and **Microsoft Office** software and I have some experience with graphic design software (**Photoshop**, **InDesign**, **Illustrator**) and audio/video editing software (**Audacity** and **Final Cut Pro**).

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 writing clear and persuasive email to giving a short talk about a technical hurdle at Microsoft to teaching graduate students at Berkeley).