

CURRICULUM VITAE

NATHAN R. GANDOMI

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EDUCATION

- 2010 Master of Information Management and Systems (MIMS); Management of Technology (MOT) Certificate, U.C. Berkeley; Awards: School of Information Merit Fellowship, GSR Spring 2010.
- 2006 Single Subject English Teaching Credential, CSU East Bay; Awards: Project Teach Technology Grant
- 2005 B.A., English, Tucson, Arizona; Awards: Summa Cum Laude, Phi Beta Kappa, Mary Helen Richardson Memorial Scholarship, Deans List with Distinction, UA Achievement Scholarship

WORK

University of California Office of the President, Online Education Pilot Project

Technology Advisory Group: member of small team lead by Berkeley Law School Dean Christopher Edley to provide advice and inspiration to explore online education for the UC system. Conducted user needs inquiry to develop learning goals and program goals. Together with professors and education technology professionals, we advise on LMS options, social networking, budgeting, research and development of technology solutions. Spring 2010.

Graduate Student Intern: E-learning research and relevant news, distribution of seminars that highlight UC instructor technology use. Developed and managed web-platform for the pilot project <http://onlineeducation.universityofcalifornia.edu> Fall 2009-present.

Principal Researcher, Center for Next Generation Teaching and Learning

Founded the Center for Next Generation Teaching and Learning to support research on the methods and tools that promote student-centered learning. Organized 2010 Symposium to bring together leaders in emerging technologies and models to support learning. Developed symposium agenda, recruited members, faculty, researchers, panelists. Developed and managed web-platform <http://ngtl.ischool.berkeley.edu>. Fall 2009-present.

Eben Tisdale Fellowship: Computing Research Association: Public Policy and Technology Internship, Washington, D.C. Summer 2009.

Managed Government Affairs website (Monthly readership of 40K); research for formulating IT Public Policy on cybersecurity, STEM (science, technology, engineering, and math) education, visas; oversaw update of Gov't Affairs website. <http://www.cra.org/govaffairs>

Teach For America (2005 Corps Member): English Teacher, Oakland High School, Oakland, CA.

Planned projects that integrated high-interest technology to increase engagement, including the design of an interactive online social network and social media projects. Project used in subsequent years by other English teachers. Set course goals and objectives, wrote units and designed curriculum to motivate high-need students.

Award: Designed and implemented a rigorous and engaging curriculum of reading and writing for over 150 students that moved the most students ahead at least one level in statewide standardized test (CST) at school site, and raised reading levels an average of 2-3 years.

RESEARCH

Current Master's Thesis: "Social Media Classroom" Using Howard Rheingold's course management system to study patterns of student use of online CMS, understanding obstacles for use and adoption, identify types of learners, measure tool effectiveness, develop learning portfolios, improve user to user interaction with hybrid models for learning environments through qualitative and quantitative methods. Designed and implemented 3 course sites, worked with instructors on curriculum design around social media tools. May 2010. Proceedings of iSchools Conference, 2010.

"groundtruth" Social Enterprise project to provide rugged geospatial data collection and management services for developing regions; potential customers include NGOs as well as other organizations who do location-based planning, evaluation, or monitoring. Piloting community mapping project with Richmond HS students. Proceedings of iSchools Conference, Feb. 2010.

"e-Portfolios Revisited" Using the techniques and methodologies of service design, revisits the traditional e-Portfolio system and designed a more holistic service system that would enable reflection and synthesis of course material, discovery of connections across courses, and reuse of learning, while limiting the burden on the student and optimizing the organization of the portfolio content. Dec 2009

Managing governance and innovation in a collaborative organization: Sakai & bSpace. Through independent research and interviews, I attempted to understand how the organizational model of an open-source collaborative LMS project like Sakai affected the development of its product. Provides suggestions about how to improve innovation in the development of its next product, Sakai 3. Dec 2009

"Bridging Teacher Networks for ICT Adoption" Report that seeks understand more clearly the relationship between ICT interventions and teacher networks. Suggests a framework for future research on the interaction between ICTs and K-12 teachers. May 2009.

PRESENTATIONS

"Next Generation Teaching and Learning" Panel Presentation: iSchools Conference, Feb 2010 (Moderator). Discussed more lightweight, modular systems to empower instructors to be flexible, explore new student-centered paradigms, and plug and play tools as needed. Also discussed how the iSchools are and should be increasingly involved in studying these new forms, formulating best practices and supporting the needs of teachers as they move toward more collaborative learning environments. Acknowledged that participatory media tools require an additional shift in educational paradigms, from instructional, on-the-pulpit type of teaching, to a student-centered, adaptive environment where students can contribute to the course material and learn from one another.