

# NATHAN R. GANDOMI

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## PURPOSE

To gain a position that combines my educational expertise and recently acquired technical skills to improve educational outcomes for instructors and learners.

## SKILLS

Technical Proficiency: Java, Python, PHP(MySQL), HTML, CSS, Javascript, JQuery, Apache;

Web Development: Drupal, Google App Engine;

Graphic Design: GIMP, Inkscape

Learning Management Systems: Social Media Classroom (Drupal);

Languages: English (native), Spanish (fluent), Persian (heritage/beginner).

## WORK • EXPERIENCE

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

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

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

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

**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.

**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>

## **Projects • 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. May 2010. Proceedings of iSchools Conference, 2010.

Social Enterprise project "groundtruth" 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, 2010.

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. I made suggestions about how to improve innovation in the development of its next product, Sakai 3.

"Bridging Teacher Networks for ICT Adoption" Research to 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.

## **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