

Daniel Novak, Ph.D.

drdanovak@gmail.com

<http://drdanielnovak.com>

Academic Record

- **Ph.D. Educational Psychology, University of Washington, Seattle (2013)**
 - Concentration in Learning Sciences
 - Dissertation: *The Technologies of Reflection*
 - Committee: Dr. Stephen Kerr (Chair), Dr. Charles Peck, Dr. Megan Bang, and Dr. David Farkas
- **M.A. Educational Technology, San Diego State University (2008)**
 - Original research on mobile learning technologies
 - Internship at a Fortune 500 corporation
 - Won travel grant for research in China
- **B.A. Art History, University of California, Santa Barbara (2006)**
 - Graduated with High Honors and Distinction in Major
 - Completed a departmental Honors Thesis with Distinction
 - Won *Research Promise Award*

Selected Professional Experience

- 2017-Now ***Instructional Designer, Center for Innovative Medical Education and Technology, University of Southern California***
(Responsible for working with faculty to develop new approaches to instructional design that support active learning in undergraduate medical education. The role also involved development of a strategic plan and vision for faculty development, creation of continuous quality initiatives, grant writing, presentations, and publication.)
- 2016-2017 ***Assistant Director of Distance Learning, California State University at Northridge***
(Responsible for the instructional design and technical support of the Tseng College's online degree programs, managing the instructional design team, and developing relationships with units involved in delivering online programs. Created relationships with CSUN faculty, built the skills and knowledge of Tseng College instructional designers, and integrated research-based practices into development routines.)
- 2013-16 ***Director of Design, District Leadership Design Lab (DL2), University of Washington,***
(Responsible for the development of technological supports for ongoing research and tool development in support of the DL2's activities. Wrote academic articles, submitted IRB and grant forms, worked through the commercialization process for new software, developed the Lab's product pathways, and coordinated with faculty and vendors. Lab clients included school districts, educational leaders, and private foundations.)

- 2012-13 **Faculty Support, University of Washington Information Technologies**
(Responsible for faculty development, technological support, and training materials for UWIT Learning and Scholarly Technology's campus-wide roll-out of the Canvas Learning Management System and Tegrity Recorder. Supported graduate students and faculty with one-on-one coaching and technical support.)
- 2011-12 **Research Assistant, UACT Program, University of Washington**
(Responsible for the research and development of a technological system to support an accelerated credentialing program. Supported online synchronous and asynchronous teaching for new Teach for America teacher candidates.)
- 2011 **Research Assistant, Teacher Education Program Induction, University of Washington**
(Supported international online learning events for international teachers in the Teacher Education Program in the College of Education. Conducted quantitative data analysis and literature reviews, and developed prototypes of an online social networking community.)
- 2008-11 **Multimedia Instructional Designer, Qualcomm Inc.**
(Designed and developed training, performance support, and knowledge management projects for a variety of internal clients, including financial, IT, and engineering groups. Produced training for financial training that was used by over 3000 employees in the company.)
- 2007 **Lecturer, Shanghai Jiao Tong University**
(Taught a series of lectures on English writing to graduate students and teachers at SJTU/ChinaTelecomm's Telecommunications College.)
- 2006-07 **Data Analyst, Navy Space and Air Warfare Division (SPAWAR)**
(Contracted to examine the educational needs of SPAWAR during an Enterprise Resource Planning initiative, and develop simulations to improve knowledge transfer during the process.)
- 2005-06 **Writing Tutor, Campus Learning Assistance Services**
(Served as a writing and subject tutor for students, student-athletes, and ESL students. Conducted one-on-one consulting sessions with recurring and drop-in clients.)

Selected Publications

West, E., Novak, D., and Mueller, C. (2017) Faculty Perceptions of Student Disability: Survey in a Large College of Education. *Journal of Postsecondary Disability and Education*, 29(4), p. 15-49.

Barron, I., and Novak, D. (2016). iLeadership: Leadership learning in the Millennial generation. In A. Cantiellito (Ed.), *Handbook of Research on Human Resources Strategies for the New Millennial Workforce*. Hershey, PA: IGI Press.

- Novak, D., & Wang, M.J. (2015). Mobile Literacies: Learning in the mobile age. In Y. Zheng (ed.), *Encyclopedia of Mobile Phone Behaviors*. Hershey, PA: IGI Global.
- Novak, D., Wang, M.J., & Callaghan, V. (2012). Looking In, Looking Out: A discussion of the educational affordances of current mobile augmented reality technologies. In J. Jia (ed.), *Educational Stages and Interactive Learning: From Kindergarten to Workplace Training*. Hershey, PA: IGI Global.
- Shen, R. M., Wang, M. J., Gao, W. P., Novak, D., & Tang, L. (2009). Mobile learning in a large blended computer science classroom: System function, pedagogies, and their impact on learning. *IEEE Transactions on Education*, 52(4), 538-546
- Novak, D., Wang, M. J., & Oristian, K. (2009). Gender, sex and conflict in the online classroom. *Open Education Research in China*, 14(4), 65-70.
- Wang, M., Novak, D., & Pacino, J. (2009). Characteristics affecting learner participation in large hybrid classrooms. In J. Fong, R. Kwan, & F. L. Wang (Eds.): *Lecture Notes in Computer Science: Theoretical Computer Science and General Issues*, 5685, 112-121.
- Wang, M. J., Shen, R. M., Novak, D., & Pan, X. Y. (2009). The impact of mobile learning on students' learning behaviours and performance: Report From a large blended classroom. *British Journal of Educational Technology*, 40 (4), 673-695.
- Wang, M. J., Shen, R. M., & Novak, D. (2008). Assessing the effectiveness of mobile learning in large hybrid blended learning classrooms. In J. Fong, R. Kwan, & F. L. Wang (Eds.): *Lecture Notes in Computer Science. Theoretical Computer Science and General Issues*, 5169, 304-315.

Independently Published Books

- Novak, D. (2011). *The Systematic Development of Professional Expertise*. New York: CreateSpace.
- Novak, D. and Burkart, M. (2010). *Rapid Development with Adobe Captivate 5*. New York: CreateSpace.

Presentations and Papers

- Novak, D., (2018, February). *Count on it: Learning, technology, and policy in the age of Big Data*. Presented at the San Diego State University Learning Design and Technology Symposium in San Diego, CA.

- Novak, D., Hougan, E., Khachatryan, E., Groschner, A. (2016, April). *Exploring feedback practices on novice teaching through online platforms: A panel discussion and symposium*. Chaired symposium at the annual American Educational Research Association conference in Washington, D.C.
- West, E., Novak, D., & Mueller, C. (2015, November). *Inclusive Instructional Practices Used and Their Perceived Importance by Instructors*. Presentation at Council for Exceptional Children – Division on Career Development and Transition in Portland, OR.
- Honig, M., & Novak, D. (2014, April). *Studying School District Central Offices: Examining Issues of Methods, Research and Context*. Presentation at the annual American Educational Research Association conference in Philadelphia, PA.
- Novak, D., O’Mahoney, T.K., Barron, I., & Bransford, J.D. (2013, April). *NeuralNet: A Case Study of a Blended Professional Development Course in Neuroscience for STEM Teachers*. Paper presented at Brain, Neurosciences, and Education SIG at the annual American Educational Research Association conference in San Francisco, CA.
- Barron, I., & Novak, D. (2013, April). *iLeadership: A Framework for Understanding Millennial Leaders*. Poster presented at the annual American Educational Research Association conference in San Francisco, CA.
- Barron, I., Lin, S., Muzzo, M., Novak, D., & Varnell, A. (2012, April). *iPad Integration in Migrant Education*. Poster presented at the annual American Educational Research Association conference in Vancouver.
- Novak, D. (2008, May). *mLearning, or Learning On-the-Go*. Presented at the San Diego State University Student Research Symposium in San Diego, CA.

Teaching and Speaking

- 2017 **Guest of Honor: UCSB History of Art and Architecture Department Honors Awards Ceremony: *See with the Mind***
(Delivered a commencement speech at UCSB to faculty, graduate, and honors students on the value of a humanities education.)
- 2017 **Guest Lecture: CSUN ELPS 417: Educational Policy: *Education in the Age of Big Data***
(Delivered a lecture to teacher candidates on how organizations are successfully, and unsuccessfully, using Big Data strategies in the K-12 system.)
- 2016 **Guest Lecture: SDSU Education 795A: Practicum in Educational Technology: *Digital Entrepreneurship***
(Delivered a lecture to Master’s students on using digital technologies and instructional design to create small businesses.)

- 2015 **Education 391: *Impact of Technology on Teaching and Learning*, University of Washington Bothell, Instructor of Record**
(Designed and conducted a project-based undergraduate course on the role of technology in changing how people learn inside and outside of schools. The course received a 4.9 out of 5 rating from the students.)
- 2014 **Educational Leadership and Policy Studies 569: *Leadership Learning by Design*, University of Washington, Instructor of Record**
(Designed and conducted a project-based graduate seminar on the design of leadership development programs using cognitive and socio-cultural approaches from the Learning Sciences.)
- 2013 **Educational Psychology 581: *Neuroscience and Teacher Education*, University of Washington, Co-teacher**
(With Dr. John Bransford, co-taught a graduate seminar on the design of a new NIH-funded professional development program for middle-school teachers.)
- 2012 **Human Centered Design Engineering 510, University of Washington, Guest Lecturer**
(Conducted a 4-hour workshop titled *Why Prezi?* to help students in HCDE 510: *Information Design* understand the implications of display technologies for their research and designs.)
- 2007 **Shanghai Jiao Tong University, Guest Lecturer**
(Conducted a series of blended online/classroom workshops at SJTU to help students understand academic written English.)

Professional Memberships

- 2010-17 ***American Educational Research Association, Member***
(Member of AERA Section C and the Brain, Mind, and Education Special Interest Group.)
- 2011-13 ***University of Washington Student Technology Fee Committee, Graduate School Representative***
(Appointed to analyze, evaluate, and vote on the funding of technologies that benefit students at the University of Washington.)
- 2007-09 ***International Society for Performance Improvement, San Diego Chapter, Vice President of Membership***
(Appointed to perform outreach to members of the San Diego instructional design and performance improvement community.)
- 2007-08 ***Student Association for Graduates in EdTec, San Diego State University, President***
(Appointed to manage, organize, promote, and support SDSU EdTec community events such as field trips, social gatherings, workshops, and guest speakers.)

Grants

- 2013 **District Leadership Design Lab and the Wallace Foundation**
(Under P.I. Prof. Meredith Honig, I built the online tools for the DL2's \$100,000 grant from the Wallace Foundation to support the development of a professional development survey and performance support tools for school district central offices.)
- 2007 **Office of International Programs, SDSU**
(Awarded to support research on mLearning in China. The first grant of its kind awarded to SDSU students for international research.)

Research and Design Projects

- 2014-16 ***District Leadership Design Lab: Performance Improvement Tools, University of Washington***
(In addition to the development of MOOCs, planning tools, and surveys for school district leaders, I played a key role in developing a new online observation support application which is marketed as the *Whisper Performance and Strategy Support Technology*.)
- 2013 **Dissertation: *The Technologies of Reflection, University of Washington***
(Abstract: How might we design technology-based learning systems that efficiently and seamlessly scaffold the development of expertise in professionals' practice? In this study, a group of 20 novice Teach For America teachers and expert teachers used a novel Video-Based Online Commenting System to analyze videos of their practice. The study drew on a multi-method examination of the video comments that illustrates the technology's capacity to support the metacognitive and reflective on the development of professional practice.)
- 2013 ***Gates Foundation Research Partnership: Personalized Learning, University of Washington***
(Developed an extensive review of the current thinking on personalized learning in the K-12 environment for the Bill and Melinda Gates Foundation. This document influenced grant and funding decisions.)
- 2013 ***Educurious Arts Education, University of Washington***
(In collaboration with the Educurious, Inc., team, developed a blended course for a new, common core-aligned course on arts education and visual culture for middle school students across the United States.)
- 2013 ***Teacher Leadership Project, Leadership for Educational Equity***
(Designed and developing an advanced blended learning course for LEE that embeds pedagogical strategies into an online platform. The project provided LEE with a more efficient model for developing future leaders.)
- 2012 ***How Do I Learn?, UW College of Education's LIFE Center***

(Helped to construct online resources and reflective journaling systems in the Canvas LMS to support a blended professional development program for middle school science teachers. Project was conducted in collaboration with the School of Nursing and UW Educational Outreach.)

- 2011 ***Expertise Development, The Boeing Company***
(Contracted to develop a literature review and design a workshop for The Boeing Company, in support of an Expert Community Development initiative.)
- 2007 ***mLearning, Shanghai Jiao Tong University***
(Conducted six weeks of field research on cellular and mobile learning at Shanghai Jiao Tong University's E-Learning Lab, Shanghai, People's Republic of China. Also included communication and consultation with graduate students at universities in Beijing.)
- 2007 ***Review of Online and Paper "End of Course Evaluations", San Diego State University***
(Examined the differences in student responses to course evaluations conducted online versus evaluations conducted in-class, under the guidance of Prof. Marcie Bober.)

Non-Profit Projects

- 2009 ***YouthHaiti.org***
(Collaborated with a colleague to redesign and improve the website for a non-profit that specializes in Haitian youth issues.)
- 2009 ***ISPI-SD/TKF Joint Project***
(Served as facilitator, technological advisor, and development consultant for the joint International Society for Performance Improvement/Tariq Khamisa Foundation project. The project's goal was to develop eLearning modules to support non-profit TKF's anti-gang program.)