**Daniel Novak, Ph.D.**

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**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* for undergraduate thesis

**Selected Professional Experience**

* 2018-Now ***Assistant Professor of Clinical Medical Education,* Department of Medical Education, Keck School of Medicine, University of Southern California**

(Full-time faculty appointment in the department of medical education, responsible for conducting original research on digital health technologies, instructional design in medical education, and Learning Sciences approaches to medical education.)

* 2017-2018 ***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,* Tseng College, 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**

Novak DA, Hallowell R, Elliott D. (2020) Expect What You Inspect. In Gotian (Ed), *Handbook of Research on the Efficacy of Training Programs and Systems in Medical Education*, 427-448. doi:10.4018/978-1-7998-1468-9.ch022.

Novak DA, Hallowell R, Ben-Ari R, Elliott D. A Continuum of Innovation. Acad Med. 2019;94:S79-S85. doi:10.1097/ACM.0000000000002909

Hougan, E., Johnson, H., Novak, D., Foote, C., & Palmeri, A. (2018). Exploring the Influence of Accomplished Teachers’ Video and Commentary Pairing on Teacher Candidates’ Noticing and Thinking about Practice. *Journal of Technology and Teacher Education*, 26(2), 217-248.

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. (2013). *The Technologies of Reflection: Designing Flexible Systems to Support the Development of Professional Expertise*. New York: Createspace.

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 Conferences**

Novak, D., Hallowell, R. Ben-Ari, R., & Elliott, D. (2019, November). A Continuum of Innovation: Curriculum Renewal Strategies in the United States, 2008-2018. Presentation in the RIME section of the American Association of Medical Colleges’ Learn Serve Lead conference in Phoenix, AZ.

Novak, D. (2019, October). *Patient-Centered Digital Health​.* Invited keynote presenter at the San Diego State University Learning Design and Technology Symposium in San Diego, CA.

Hallowell, R. & Novak, D. (2019, June). The Double-Edged Sword of Digital Health: Leveraging Affordances and Mitigating Risks. Media Ethics: Human Ecology in a Connected World. University of Toronto, Toronto, Canada.

Novak, D., Hallowell, R., Ben-Ari, R., & Fung, C. (2019, September). *Improving Patient Outcomes with Digital Health​.* Presented at American Medical Association’s ChangeMedEd 2019 conference in Chicago, IL.

Crispen, P., Novak, D., Christman, G., & Warburton, D. (2019, June). *Partnering to develop capacity in e-Learning Instructional Design for Pediatric CME in Central Asia.* Presented at Association of American Medical Colleges Information Technology in Academic Medicine conference in San Diego, CA.

Novak, D., Hallowell, R., & Elliott, D. (2019, May). *The Role of Social Justice in the Undergraduate Medical Curriculum: Faculty Perspectives from a School-Wide Convening.* Presented at the Academy for Professionalism in Health Care in New Orleans, LA.

Hougan, E., Johnson, H., Palmeri, A., & Novak, D. (2019, April). *Shaping teacher candidates’ perceptions of planning, instruction, and assessment using accomplished teachers’ videos and commentary.* Presented at the American Educational Research Association’s Annual Meeting in Toronto, ON, Canada.

Ben-Ari, R., Novak, D. Hallowell, R., Fung, C.C., & Modi, R., (2019, April). *Learning to Educate Patients About Digital Health: An online digital health literacy curriculum for the UME-GME-CME continuum..* Presented at the American Medical Association’s Change MedEd Conference in Atlanta, GA.

Novak, D, Crispen, C, Youm, J., & Dabzadeh, Z. (2019, March). LCME Compliance and CQI tracking tools that support data visualization, workflow, automation, and communications: A panel discussion. Presented at the Association of American Medical Colleges Western Group on Educational Affairs conference in Reno, NV

May, W., Novak, D., Vo, A., & Liu, A. (2019, March). *Seeing things: Congruence of novice and expert reflections on video of performance correlates with exam scores.* Presented at the Association of American Medical Colleges Western Group on Educational Affairs conference in Reno, NV.

Hallowell, R., & Novak, D. (2018, March). *Challenge-based Learning Cycles as a means of faculty engagement in curricular renewal.* Presented at the Association of American Medical Colleges Western Group on Educational Affairs conference in Reno, NV.

Novak, D., Hallowell, R., Elliott, D. (2018, June). *From dashboards to hubs: A generalizable design process for a LCME compliance and CQI tracking tool.* Presented at Association of American Medical Colleges Information Technology in Academic Medicine conference in Austin, TX.

Novak, D, & Vo, A. (2019, February). Seeing is Believing: Techniques for Designing Effective Data Dashboards. Workshop presented at Innovations in Medical Education Conference in Los Angeles, CA.

Hallowell, R, Riddell, J., Novak, D. (2019, February). Never Stop Learning: Fostering Adaptive Learning in Clinical Contexts. Workshop presented at Innovations in Medical Education Conference in Los Angeles, CA.

May, W, Novak, D, Liu, A, & Vo, A. (2019, February). Student Self-Assessment, Faculty Feedback, and Clinical Skills Performance: How Are They Related? Poster presented at Innovations in Medical Education Conference in Los Angeles, CA.

Novak, D., Crispen, P., Christman, G., & Warburton, D. (2018, November). *Instructional Design Bootcamp*. Presented to the Mongolian National Center for Maternal and Child Health in UlaanBaatar, Mongolia.

Novak, D., (2017, June). *See with the Mind: On the power of a liberal arts education.* Invited keynote speaker at University of California, Santa Barbara’s Honors Award Ceremony for the Department of Art History in Santa Barbara, CA.

Novak, D., (2017, 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., (2017, February). *Data and equity in education.* Guest lecture for Educational Policy 417 at California State University Northridge.

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 Millenial 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, BC.

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**

• 2016-18 **Guest Lecturer: 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**

• 2019 ***Academy for Professionalism in Health Care, Member***

(Member of the APHC, presented at 2019 national conference.)

• 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 **American Medical Association’s *Accelerating Change in Medical Education***

(Under PI Dr. Ron Ben-Ari, I successfully won a $30,000 AMA grant to design and launch an online course focused on patient-centered approaches to digital health. I directed video interviews of experts in the field, composed literature reviews for the course content, and designed the course site and UX.)

• 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.)