

DANIEL A. NOVAK, PH.D.

CURRICULUM VITAE

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EDUCATION AND PROFESSIONAL APPOINTMENTS

EDUCATION:

2006 B.A. (High Honors), History of Art & Architecture, UC Santa Barbara, Santa Barbara, CA
2008 M.A., Educational Technology, San Diego State University, San Diego, CA
2013 Ph.D., Learning Sciences, University of Washington, Seattle, WA

POST-DOCTORAL TRAINING:

2013-2016 Research Associate, District Leadership Design Lab, University of Washington, Seattle

ACADEMIC APPOINTMENTS:

2022 Clinical Assistant Professor Department of Social Medicine, Population, and Public Health,
UC Riverside School of Medicine, Riverside, CA, USA
2018 Clinical Assistant Professor Department of Medical Education, Keck School of Medicine of
the University of Southern California, Los Angeles, CA, USA
2015 Adjunct Curriculum and Instruction, University of Washington, Bothell,
WA, USA
2014 Adjunct Educational Leadership and Policy Studies, University of
Washington, Seattle, USA

ADMINISTRATIVE APPOINTMENTS:

2022-Now Director of Scholarly Activities University of California, Riverside School of Medicine,
Riverside, CA, USA
2017-2018 Instructional Designer Keck School of Medicine, University of Southern California,
Los Angeles, CA, USA
2016-2017 Assitant Director of Distance Learning California State University, Northridge, CA, USA
2013-2016 Director of Design, Research Associate District Leadership Design Lab, College of Education, Universi
of Washington, WA, USA

HONORS, AWARDS:

2021 *Health Systems Science Scholar* American Medical Association Health Systems Science
Academy, Chicago, Illinois
2008 International Travel Award Office of International Programs, San Diego State University,
5500 Campanile Drive, San Diego, CA 92182
2006 Research Promise Award Dept. of Art History, UC Santa Barbara, Arts 1234
University of California Santa Barbara, California 93106-7080

GRANTS:

2022	Co-PI, <i>Chronic Disease Burden, Toxic Stress, and Childhood Behavioral Disorders</i> , \$29,200	Riverside Community Hospital Foundation, <i>Stebbler Fund Innovation Award Grant</i> , Riverside, CA
2022	PI, <i>Training Diverse Physician-Scientists</i> \$30,000	American Medical Association <i>Accelerating Change in Medical Education</i> Initiative, Chicago, Illinois
2020	Co-PI, <i>Health Advocacy</i> , \$30,000	American Medical Association <i>Accelerating Change in Medical Education</i> Initiative, Chicago, Illinois
2018	Co-PI, <i>Learning to Education Patients About Digital Health</i> , \$30,000	American Medical Association <i>Accelerating Change in Medical Education</i> Initiative, Chicago, Illinois

SELECTED PROFESSIONAL EXPERIENCE:

- 2022-Now **Director of Scholarly Activities, Clinical Assistant Professor of Social Medicine, Population, and Public Health, UC Riverside School of Medicine**
(Responsible for supporting student and faculty scholarship across the School of Medicine through the Office of Medical Education Research. This includes supporting and coaching students in their research projects, faculty medical education research, and connecting students and faculty through scholarship.)
- 2018-2022 **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. Lead designer and Co-PI on American Medical Association funded grants. Supported curriculum renewal efforts through research, faculty development, instructional design, and multimedia development.)
- 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 publications. Promoted to Assistant Professor in 2018.)
- 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.)
- 2013 **Contractor, University of Washington and the Bill and Melinda Gates Foundation**
(Reviewed research on personalized learning systems and advised the program managers at the BMGF regarding their learning initiative on personalized learning.)
- 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 **Contractor, The Boeing Company**
(I developed and presented a review of research on expertise theory that was used to inform organizational development initiatives at Boeing.)
 - 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. Conducted one-on-one consulting sessions with recurring and drop-in clients.)

PUBLICATIONS

REFEREED JOURNAL ARTICLES:

Hallowell R, Saluja S, Lewis L, **Novak DA**, Valentine W, Batch E, Clayton Johnson MA, Bluthenthal RN, Cousineau MR, Ben-Ari R. Advocacy for Health Justice: An Innovative Pilot Course for MD and Master of Public Policy Students. *Teach Learn Med.* 2022 Dec 15:1-13. doi: 10.1080/10401334.2022.2155169.

Novak DA, Hallowell R, Llobrera K, Schreiber J, Wright E, Elliott D. Stances toward anti-racist medical education: A qualitative analysis of critical consciousness in first-year medical students. *AERA Open.* 2022;8:233285842211038. doi:10.1177/23328584221103878
Led a research team to develop a paper on MD students' attitudes towards health justice. The article was invited for submission in the American Educational Research Association's open access journal for a special issue on anti-racist education.

Novak DA, Hallowell R. Design-based research: A methodology for studying innovation in teaching and learning in medical education. *Academic Medicine.* 2022;97(7):1088-1088. doi:10.1097/acm.0000000000004601
Developed a backpage infographic on design-based research in medical education (DBRME).

Novak DA, Hallowell R, Ben-Ari R, Elliott D. A Continuum of Innovation: Curriculum Renewal Strategies in the United States, 2008-2018. *Acad Med.* 2019;94:S79-S85.
As part of the curriculum renewal process at the Keck School of Medicine, analyzed 25 post-renewal medical school curricular structures, developed a grounded theory of the approaches to renewal, and presented it to the 2019 AAMC Learn Serve Lead RIME session.

- Hougan, E., Johnson, H., **Novak, D.**, Foote, C., & Palmeri, A. 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): p. 217-248, 2018.
In partnership with colleagues associated with the National Board of Professional Teaching Standards, designed the survey questionnaires, analyzed the data, contributed to the literature review, and provided editorial support for this paper on reflective practice in teacher education.
- West, E., **Novak, D.**, and Mueller, C. Faculty perceptions of student disability: Survey in a large college of education. *Journal of Postsecondary Disability and Education*, 29(4): p. 15-49, 2017.
In partnership with Special Education, designed online survey instrument, analyzed the results, and authored the relevant sections of the article.
- Shen, R. M., Wang, M. J., Gao, W. P., **Novak, D.**, & Tang, L. Mobile learning in a large blended computer science classroom: System function, pedagogies, and their impact on learning. *IEEE Transactions on Education*, 52(4): p.538-546 2009.
In partnership with the Shanghai Jiao Tong University Online University, analyzed quantitative and qualitative data from online courses, and authored the relevant sections of the article.
- Novak, D.**, Wang, M. J., & Oristian, K. Gender, sex and conflict in the online classroom. *Open Education Research in China*, 14(4): 65-70, 2009.
Developed, deployed, and analyzed the results of an online survey instrument designed to gauge the interactions of gender, sex, and interpersonal conflict in online classes.
- Wang, M., **Novak, D.**, & Pacino, J. 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, 2009.
Analyzed quantitative data and wrote the methodology and data analysis sections based on data collected by graduate students at San Diego State University
- Wang, M. J., Shen, R. M., **Novak, D.**, & Pan, X. Y. 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, 2009.
In partnership with the Shanghai Jiao Tong University Online University, analyzed quantitative and qualitative data from online courses, and authored the relevant sections of the article.
- Wang, M. J., Shen, R. M., & **Novak, D.** 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, 2008.
In partnership with the Shanghai Jiao Tong University Online University, analyzed quantitative and qualitative data from online courses, and authored the relevant sections of the article.

REFEREED REVIEWS, CHAPTERS, AND EDITORIALS:

- Novak, DA**, Revere, L, Hawks, B, Hallowell, R. Sustainability in Health Systems Science Programs: Assessing, Evaluating, and Improving Health Systems Science Education. In Hammoud, ed: *The American Medical Association's Health Systems Science Implementation Guide*. New York; Elseiver, (2022).
- Novak, DA**, Hallowell, R, Elliott, D. Expect What You Inspect: A Worked Example of Dashboards That Support Continuous Quality Improvement in Medical Education. In Gotian, ed. *Handbook of Research*

on the Efficacy of Training Programs and Systems in Medical Education. Hershey, PA: IGI Global, 2020.

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. 2016.

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. 2015.

Novak, D., Wang, M.J., & Callaghan, V. 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. 2012.

BOOKS, MONOGRAPHS, AND TEXT BOOKS:

Novak, D. *The Systematic Development of Professional Expertise*. New York: CreateSpace. 2011.

Novak, D. and Burkart, M. *Rapid Development with Adobe Captivate 5*. New York: CreateSpace. 2010.

ABSTRACTS AND PRESENTATIONS:

Novak, D.A., & Arif, H., *A Medical Student's Guide to Research and Career Mentor Outreach: Design and Implementation of a Pilot Workshop to Improve Student Self-Efficacy and Close Equity Gaps in Research Mentorship*. Poster, WGEA, Honolulu, HI (April, 2023).

Novak, D.A., Park, Y.S., & Hallowell, R., *The Student Research Readiness Inventory: Design and Validation of an Instrument to Close Equity Gaps in UME Student Research and Scholarship*. Poster, WGEA, Honolulu, HI (April, 2023).

Novak, D.A., & Hallowell, R., *Teaching About Health Justice with Team-Based Learning (TBL): Enhancing Health Systems Science Education with Eco-Social Perspectives*. Workshop, WGEA, Honolulu, HI (April, 2023).

May, W., Novak, D.A., Park, Y.S., Vojvodic, V., Fisher, D., Vo, A.T., Liu, A., *Effectiveness of standardized patient methodology on learning outcomes in health professions education: A systematic review*. Oral Abstract. WGEA, Honolulu, HI (April, 2023).

Novak, D.A., & Hallowell, R., *Teaching About Health Equity Using Team-Based Learning (TBL)*, American Medical Association Health Systems Science, Chicago, IL (November, 2022)

Hannah Bass, Shourya Kumar, Muhammad N. Akram, James Zhang, Dheeraj Reddy, Lauren Fitzgerald, Srujan Kancharla, Amelia Khoo, Kenneth Sims, Peter Lin, Rhome Hughes, Burton F. Dickey, Ericka Greene, Gregg Wells, Nivedita Ganguly, Yun Li, **Daniel Novak**, Ashley B. Saunders, and Ian V.J. Murray. *Evaluation of Clinical reasoning from novices to experts using the illness script method: A pilot study*. International Association of Medical Educators, (IAMSE) Annual conference. Denver, CO (June, 2022).

- Novak, D. *Closing Address: Medical Student Scholarship and Health Justice*. University of California, Riverside School of Medicine Quality Improvement Conference, Riverside, CA. (March, 2022)
- Novak, D. *Guest Presentation: Expertise Theory, Flipped Classrooms, and Backward Design*. Texas A&M University Engineering Medicine Program Faculty Discussion, Houston, TX. (February, 2022)
- Novak, D., & Hallowell, R. *Team-based Learning for Health Systems Sciences*. Workshop at USC Innovations in Medical Education conference, Los Angeles, CA. (February, 2022)
- Li, Y., Zhang, J., Varadarajan, R., Loving, R., McMurray, J., Hagen, A., Sears, N., Zawieja, D., Dickey, B., **Novak, D.**, & Murray, I. *A case report: using TBLs to create collaborative, experiential, transformative interprofessional learning (IPL) experiences for faculty and students, with relevance to COVID*. Texas A&M University's Interprofessional Education and Research Symposium. (2021)
- Novak, DA. *Using Team-based Learning to Deliver Integrated Health Systems Science Content*. AMA Health Systems Science Scholars Academy. (May, 2021).
- Novak, DA., Schreiber, J, & Jalali, C. (April, 2021). *A Spectrum of Orthodoxy: A Systematic, Critical Review of Team-based Learning (TBL) in Undergraduate Medical Education*. AAMC Group on Educational Affairs – Research in Medical Education Abstract (April, 2021).
- Novak, DA. (April, 2021). *Digital Health Justice: A scalable blended-learning course on equity and access in digital health for UME students*. AAMC Group on Educational Affairs – Innovations Presentation
- Novak, DA. (April, 2021) *Application by Design: An evidence-based Toolkit for designing Team-based Learning (TBL) sessions in Health Systems Science (HSS)*. AAMC Group on Educational Affairs – Innovations Presentation.
- Ben-Ari, R., Hallowell, R., Novak, DA. (April, 2021). *Partnering for Justice: An MD and MPP Student Health Justice and Advocacy Curriculum*. AMA ChangeMedEd Conference, Spring 2021.
- Novak, DA., & Nash, K. (March, 2021). *Using TBL to Engage First-Year Medical Students in Online Introductions to Medical Science: Core Topics, Pedagogical Strategies, and Technologies*. Team-based Learning Collaborative National Meeting
- Novak, DA. (February, 2021). *Design-based Research in Medical Education (DBR-ME)*, Innovations in Medical Education.
- Novak, DA. *Digital Health Justice*. (January, 2021). Guest Lecture at USC Iovine & Young Academy.
- Novak, DA. (May, 2020). *Designing Dashboards for LCME CQI compliance*, University of Arizona School of Medicine Invited Workshop.
- Novak, DA, Hallowell, R, & Riddell, J. (February, 2020). *Staying Focused on the Goal: Developing Team-based Learning Sessions with Backwards Instructional Design*, Innovations in Medical Education.
- Novak, DA. (January, 2020). *Patient-Centered Digital Health and Product Development*, Guest Lecture at USC Iovine & Young Academy.
- Novak, DA, Hallowell, R, Ben-Ari, R. (April, 2020) *Full Circle: Using a Generalizable Learning Process to Structure Cross-Continuum Online Experiences*, AMA ChangeMedEd, Spring 2020.

- Hallowell, R., Novak, D.A., Fung, CC, Ben-Ari, (April, 2020) Dimensions of Health Justice: From Digital Health to Advocating for Change. *AMA Change Med Ed Conference* (online). Chicago, IL, 2020.
- Novak, DA, May, W, Liu, A. (April, 2020) *Scaffolding Self-Assessment of Clinical Skills with Technology* WGEA 2020 (Cancelled)
- Novak, DA, May, W, Liu, A. (April, 2020) Scaffolding Self-Assessment of Clinical Skills with Technology. 2020 WGEA Regional Meeting Abstract Compendium; 2020;135-6.
- Hallowell R, Novak, DA. (April, 2020) Teaching Digital Health Across the Continuum: Opportunities and Challenges of Designing an Online Course for Medical Students, Residents, and Physicians in Practice. 2020 WGEA Regional Meeting Abstract Compendium; 2020;7-8.
- Novak, D. (2019, December). The Boxcar Problem: Basic Science Curriculum Sequencing Post Curriculum Renewal. Online talk to East Tennessee State University, Johnson City, TN.
- 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.
- 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.
- 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.
- Crispen, P., Novak, D., Christman, G., & Warburton, D. (2019, June). Partnering to develop capacity in eLearning 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.
- LA. Hougan, E., Johnson, H., Palmeri, A., Hougan, E., & 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. (2019, 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., & 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., Hallowell, R., Elliott, D. (2018, June) Expect what you inspect: A design for a dashboard to support continuous quality improvement initiatives. AAMC Group on Information Resources conference in Austin, TX.
- Novak, D., Hougan, E., Khachatryan, E., Groschner, A. (2016, April). Exploring feedback practices on novice teaching through online platforms: A panel discussion and symposium. Chair of 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, April) mLearning, or Learning On-the-Go. Presented at the San Diego State University Student Research Symposium in San Diego, CA.

INVITED LECTURES, SYMPOSIA, KEYNOTE ADDRESSES

2023	Guest Speaker	<i>Integrating Anti-Racism into Professional Identity Formation Meeting Students Where They Are</i> , Gehr Center for Health Systems Science, University of Southern California, Los Angeles
2022	Guest Speaker	<i>Expertise Theory, Flipped Classrooms, and Backward Design</i> , Texas A&M
2022	Guest Lecturer	<i>Racial Disparities in Maternal Mortality</i> , University of Southern California
2021	Guest Speaker	<i>Grand Rounds: Backwards Instructional Design in Medical Education</i> , Texas A&M
2021	Guest Speaker	<i>Digital Health Justice</i> , Iovine & Young Academy, USC
2020	Guest Speaker	<i>Careers in Educational Technology and Medical Education</i> , San Diego State University's Learning Design and Technology program
2020	Guest Workshop	<i>CQI Data Dashboards</i> , University of Arizona School of Medicine
2020	Guest Speaker	<i>Patient-Centered Digital Health</i> , Iovine & Young Academy, USC
2019	Guest Speaker	<i>Basic Science Sequencing in UME</i> , East Tennessee State University
2019	Keynote Address	<i>Learning Design and Technology Symposium</i> , San Diego State University
2018	Guest Lecturer	<i>Educational Entrepreneurship</i> , San Diego State University
2018	Guest Workshop	<i>Data Dashboards in SharePoint</i> , UC San Diego School of Medicine
2018	Guest Speaker	<i>Count On It: Educational Systems and Big Data</i> , Ministry of Health National Consultatory Meeting on Online Learning, UlaanBaatar, Mongolia
2018	Guest Workshop	<i>Instructional Design and Online Learning Development</i> , NCMCH UlaanBaatar
2018	Symposium	<i>Education in the Age of Big Data</i> , Learning Design and Technology Symposium 2018, San Diego State University
2017	Guest Lecturer	<i>Data and Equity in Education</i> , Educational Policy 417, CSU Northridge
2017	Guest Lecturer	<i>Digital Entrepreneurship</i> , Education 795A, Practicum in Educational Technology, San Diego State University
2017	Guest of Honor	<i>See with the Mind</i> , UCSB History of Art and Architecture Department Honors Awards Ceremony, UC Santa Barbara
2016	Guest Lecturer	<i>Instructional Design Entrepreneurship</i> , Education 795A, Practicum in Educational Technology, San Diego State University
2012	Guest Lecturer	<i>Presentation Media and Communication</i> , Human Centered Design Engineering 510, University of Washington
2009	Guest Lecturer	<i>Social Media for Social Change</i> , San Diego Mac Users Group, San Diego
2008	Guest Lecturer	<i>Web 2.0 and Social Media for Change</i> , San Diego Mac Users Group, San Diego
2007	Guest Instructor	<i>English Communication and Academic Writing</i> , Shanghai Jiao Tong University, Shanghai, China

TEACHING

University of California, Riverside School of Medicine, Riverside CA

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2022-Now	Health Systems Science Project	12 sessions, MS1	Instructor of Record
2021-Now	Practice Improvement Project	9 sessions MS2, 4 4 sessions MS3	Instructor of Record
2022-2023	Clinical Reasoning	8 sessions MS1, 6 sessions MS2	Instructor of Record
2022-Now	Scholarly Activities Electives	40+ students MS3 and MS4 students per year	Instructor of Record
2023	Health Systems Science Thread	Selected modules	Guest Facilitator
2022-Now	Medical student research mentorship	On demand	

Keck School of Medicine, University of Southern California, Los Angeles

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2020-2021	Mentored a 4 th -year medical student during an independent research block on digital health	6-week research block (December-January, 2021)	Instructor of Record
2021	Professionalism and the Practice of Medicine: Health Informatics Studies	6-week elective (August-October, 2021)	Instructor of Record
2020	Professionalism and the Practice of Medicine: <i>Digital Health Justice</i>	6-week elective (August-October, 2020)	Instructor of Record
2020	DMED 300, 400, 500, 700: <i>Patient-Centered Digital Health</i>	2-week and 4-week electives (March-July, 2020)	Instructor of Record

University of Washington, Bothell

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2015	Education 391: Impact of Technology on Teaching and Learning	4.0	Instructor of Record

University of Washington, Seattle

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2014	Educational Leadership and Policy Studies 569 – Leadership Learning by Design	4.0	Instructor of Record
2013	Educational Psychology 581: Neuroscience and Teacher Education	4.0	Co-Teacher

MENTORSHIP

Medical Student Mentorship:

In AY 2022-2023, I met with 151 medical students (MS1-MS4) 334 times, for a total of 195 hours in AY 2022

Mentoring ~45 student secondary data analysis projects in conjunction with Dr. Nick Sheets of RCH

Dean’s Research Innovation Fund Mentorship

2022-2023 - Shamieh Banihani, MS3 (PI: Adwoa Osei)

2022-2023 - Helen Setaghiyan, MS2 (PI: Adwoa Osei)

2022-2023 - Stephanie Marin, MS2 (PI: Ann Cheney)

2022-2023 - Roy Mendoza and Stephanie Marin, MS2 (PI: Ann Cheney)

Undergraduate Research Mentorship

2022-2023 - Mentor, Hana Baig, Chancellor’s Research Fellowship

2022-2024 - Mentor, Leslie Sandoval, Undergraduate Capstone Project

2022-2024 - Mentor, Fatima Mushtaq, Undergraduate Capstone Project

2022-2024 - Mentor, Bernice Espinoza, Undergraduate Capstone Project

2022-2024 - Mentor, William Do, R’Course

Student Groups

Faculty Sponsor, *The Art of Medicine* Student Group

SERVICE

UNIVERSITY SERVICE:

2022-2023	Chair, Associate Dean of Assessment and Evaluation Search Committee	UC Riverside School of Medicine
2022-Now	Chair, Program Evaluation Subcommittee	UC Riverside School of Medicine
2022-Now	Ex-Officio Memberships	UC Riverside School of Medicine
	Medical Education Committee	
	SOM Research Committee	
	Student Success Work Group	
	Electives Subcommittee	
	Member, Pre-Clerkship and Clerkship Subcommittee	
	LCME Standard 3 Taskforce	
	LCME Standard 8 Task force	
	LACE Subcommittee	
	Subcommittee on Emphasis & Threads	
2022	Founding chair, Student External Research Taskforce	UC Riverside School of Medicine
2021	Chair, Digital Health Working Group	Keck School of Medicine, USC
2011-2013	Graduate Student Representative, Student Technology Fee Committee	University of Washington, Seattle
2007-2008	President, Student Association of Graduates in EdTec (SAGE)	San Diego State University

PROFESSIONAL SERVICE:

2007-2008	VP of Membership, President	International Society for Performance Improvement, San Diego Chapter
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PROFESSIONAL SOCIETY MEMBERSHIPS:

<i>Year- Year</i>	<i>Society</i>
2022-Now	Member, Society for Directors of Research in Medical Education (SDRME)
2020-Now	Afiliate, Gehr Family Center for Health System Science
2019-2020	Academy for Professionalism in Healthcare (APHC)
2010-2017	American Educational Research Association
2007-2009	International Society for Performance Improvement, San Diego Chapter

MANUSCRIPT REVIEW

2019-2023	<i>Academic Medicine</i> Peer Review (13 articles)
2019-2022	WGEA Conference Proposal Review
2018-2021	Innovations in Medical Education Conference Proposal Review
2019	AERA Conference Proposal Review
2018	SOFIEE 2018 – International Conference on Intelligent Learning Environments
2018	American Educational Research Association – Brain, Neuroscience, and Education SIG