

# Patience S. Wieland

## Curriculum Vitae

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## EDUCATION

- 2018- **Doctoral (PhD) candidate**  
Department of Learning Technologies, University of North Texas, Denton, TX.
- 2014 **M.S. in Instructional Design & Technology,**  
University of Houston-Clear Lake, Houston, TX.
- Thesis:** "Learning a technical language: the modality effect in nursing students' retention of new vocabulary".
- 1998 **B.A. (Interdisciplinary) in Film/video, multimedia, and history,**  
Hampshire College, Amherst, MA.
- Thesis:** "The War is Over?"

## EMPLOYMENT - ACADEMIC

- 2022 **Intern** (June-July); **Consultant** (W2, August 8-December 30)  
National Board of Medical Examiners (NBME), Philadelphia, Pennsylvania.

NBME co-owns and develops the USMLE (Medical Licensing Exam) for allopathic (M.D.) physicians. I worked on an AI machine learning prototype and research project ("Can we build a virtual standardized patient with AI-driven conversational interactions?"). This involved managing the backend of a proprietary media tool. The virtual patient prototype is a practice tool which interacts with student doctors who type or record their questions. To make this prototype, a small team iteratively adapted an existing NBME use case. My contributions included back-end content ingestion and quality assurance in a supervised neural network, and refining script and conversation quality.

My deliverables included two white papers and three iterative script collections, showing where and how we could continue to build out the standardized patient prototype. One of the white papers featured a research review to introduce aspects of the prototype, and how it could fit into formative medical education practice. This involved explaining emerging technologies and concepts such as social presence, levels of immersion, cognitive teaching systems, machine learning and the use of empathic, conversational and other intelligent agents.

2021-

**Collaborator (2022-) and Graduate Research Assistant (2021),**

XR SURGE (Simulation User Research Game Experience) Laboratory, Department of Learning Technologies, University of North Texas (UNT), Denton, TX.

Helped principal investigator (PI) reestablish a successful simulation lab after relocation from Purdue. During 1 year funded position, contributed data analysis, research, and design; provided editorial and writing assistance, including IRB materials, grant applications. Continued in 2022 as a research collaborator.

In order to continue virtual reality and immersion studies during the coronavirus pandemic, I developed a method of recruiting and validating high-quality participants on Amazon Mechanical Turk (mTurk), Reddit, and other online communities. I also collaborated on novel research measuring social presence between online students, and methods of measuring their perceptions of social/learning relationships. I conducted an literature review on methods of analyzing emotion, for use in future social presence modeling.

I expanded on PI's existing STEM simulation game design, "[Stemming from Disaster](#)," including narrative storyline, locations, and in-game resources. This game is for young adults, and incorporates the science and social challenges of climate change and natural disaster. I created primers about natural disasters in Texas and Louisiana, providing social, hydrological, and geographical information for research assistants recruited from outside Texas. I also collected resources to help collaborators better understand these topics, including differences between the DFW area, SE Texas/SW Louisiana, and the greater New Orleans area.

I also mentored undergraduate and entering doctoral students: topics included adjustment to study/work at UNT; research methodology; Qualtrics data collection; storyboarding. I created extensive "deep dive" introduction to research ethics and history to help students pass CITI training, a requirement to join research team and collect data from participants. For [Girls SURGE Camp](#), a pilot initiative to introduce girls from underserved communities to STEM and design thinking, conducted literature review on metacognitive instruments that are suitable for middle schoolers. Girls SURGE Camp was [repeated in Summer 2022](#): for Summer 2021 pilot, held in Denton, Texas, I collected and tested sample XR games and apps that encouraged STEM learning.

2019-current **Consultant/Owner, Elara Bay Learning LLC** (previously Mintaka Learning)

Established LLC to consult on communications and learning projects for SMEs and faculty, such as the [Mariposa Game \(p. 17\)](#), a reflective thinking and alternative history game designed for former colleague, an English professor teaching the humanities to first year community college students.

2014-2018     **Instructional Designer**, Academic Computing,  
University of Texas-Medical Branch (UTMB), Galveston, Texas.

Created [OCTBR, "The Online Course Teaching and Building Rubric"](#), an online course development rubric and course creation tool for health science faculty, currently used at three Texas Medical Center schools (UTMB, University of Texas Health Science Center, and the new University of Houston medical school).

Collaborated on online course design and facilitated technology learning for faculty and staff in 14 health science departments. Designed and taught courses for students, faculty and staff on video and podcast design, course development in the Blackboard learning management system, and technology trends. Produced tie-in job aids, web pages, and training videos, for students, faculty, and staff.

Part of leadership committee designing UTMB's 2018 Quality Enhancement Plan for continued accreditation by Southern Association of Colleges and Schools.

Collaborated as part of the taskforce for the Interactive Ophthalmologic Learning program, a pilot faculty development program training clinical faculty to improve learning outcomes for medical residents. Designed and led faculty training.

Lectured to IPE Scholars (undergraduate and first year graduate students enrolled in special interprofessional program) on learning styles and reflection; provided training on portfolio systems to all IPEP Scholars.

System administrator for the SelectSurvey platform, Ensemble Video and Tegrity enterprise video platforms. One of two front-end system administrators for the Blackboard learning management system, Voicethread. Produced two application support manuals and job aids for Help Desk personnel, who provide services to learners and staff at more than 90 UTMB clinics and 4 medical campuses across Texas.

2009-2014     **Media Specialist**, Educational Technology (district level)  
San Jacinto College District, Houston-Pasadena, Texas.

Wrote, directed, edited, and developed numerous instructional and promotional videos, audio podcasts, and animations ([major innovative or featured works are listed on page 10](#)).

Over a five year period, collaborated with faculty at three campuses, working in Automotive Technology, Business, Chemistry, Computer Science, Cosmetology, Dance, Economics, English, Fitness, Government, History, HVAC, Mathematics,

Nursing, Pharmacy, Physical Therapy, Philosophy, Pipefitting, Psychology, Sociology, Speech, and Theatre.

Worked extensively with Marketing, often writing scripts or directing voice actors, and with student service staff in Financial Aid and Veterans Services. Founded and chaired 2013-2014 Veterans in Our Community Film Festival and speaker series, detailed under [Institutional Service, page 18](#).

HD footage and photography stills I shot were also used in a major 2015 advertising campaign across southeast Texas and online, which aimed to recruit students to specific degree programs (such as [biology](#), [graphic design](#), [dance](#), [fine arts](#), [education](#), [theater](#), [studio arts](#)).

Advised vice president on copyright/intellectual property for San Jacinto College district; researched staff and faculty queries across 3 campuses.

Produced training on Creative Commons licensing; educated instructors, administrators, and staff regarding copyright usage and the securing of reproduction/ republication rights.

System administrator for Kaltura and Windows Media streaming systems.

2003-2009 Please see [Employment-Arts & Technology on page 5](#)

2001-2002 **Area Director**, Office of Student Affairs,  
Pitzer College, Claremont Colleges, Claremont, California.

On-campus residence hall director under contract, providing on-call management of 200 first-year students. Managed and trained a staff of 4 RAs, 6 desk workers, and 4 program assistants. Trained 14 campus assistants in intensive 2-week session: covering topics as sexual assault, alcohol awareness, conflict management, and goal-setting. Coordinated extensive search and selection process for resident advisors and directors. Continual training of house staff individually, and as a team.

Provided on-call emergency management across campus, handling medical and other emergencies. Worked with Dean of Students and other campus officials to handle larger student life issues. Counseled and mentored students individually and those involved in student government. Developed and promoted a special wing for substance-free and study-intensive living.

Promoted applied use of technology among liberal arts students: mentored first-year student in the development of a student-based website and a sophomore student developing a first-year resource guide.

- 2001      **Senior [Contract] Writer**, Scripps Institute of Oceanography,  
University of California-San Diego, La Jolla, California.
- Contract, remote position under NOAA's Joint Institute for Marine Operations (JIMO) grant; designed and coded website, streamlining site usability for visiting researchers and staff.
- Created articles and biographies spotlighting key scientists and their accomplishments, making their research projects accessible to a broader audience.
- 2000-2001      **Editorial Assistant [Lab Manager]**, Climate Research Division,  
Scripps Institute of Oceanography, University of California-San Diego,  
La Jolla, California.
- Assisted the associate director of the Experimental Climate Prediction Center with publications and graphics.
- Developed multiple websites for scientific audiences, including two international conference websites for research collaborators discussing the RSM weather forecasting model.
- 1998      **Reunion Work Coordinator** (Spring-Summer contract), Alumnae Association,  
Smith College, Northampton, Massachusetts.
- Managed and trained 175 student workers (hand-picking 20 team leaders) for Smith College's Reunion/Commencement events, which bring over 3,000 visitors to the college each year.

## EMPLOYMENT – ARTS & TECHNOLOGY

- 2002-present      **Owner/Manager**, Roaring Kettle LLC (DBA NoirDame.com, Kettle Falls Media)
- Purchased and managed subsidiary company Sound Stages Radio LLC (2013-2015), an existing, automated 24-hour podcast and audio book streaming station, known for its Halloween marathon, "Transcontinental Terror".
- Negotiated licensing and carriage with major producers such as Jim French Productions ("Harry Nile," "Imagination Theatre"), Wireless Theatre, etc., and special events such as Craig Wichman's historical collection "A Christmas Carol".
- Periodically produce special events for broadcast or live performance, typically live audio performances, maintaining YouTube channel featuring classic media in public domain. Recordings distributed through PRX, Public Radio Exchange, heard on streaming stations or downloaded as podcasts.

From 2002-2009, NoirDame.com, originally a sole proprietorship, was an ecommerce site retailing retro media (silent films, old time radio, 1950s TV on DVD). Negotiated with wholesale dealers and production companies, purchasing media for resale to customers. One of a kind film and television collectibles, books, and antiques were also sold over eBay (99% positive reviews), AbeBooks, Alibris, Amazon, Etsy, and Biblio.

For the ecommerce site, wrote, voiced and produced :30 and :60 audio ads appearing on internet and terrestrial radio; produced TV ads for NoirDame.com products, appearing on Universal HD and TVLAND channels, through Google Ad program.

2000-2005     **Founder/Editor** (2000-2001); **Advisory Board** (2001-2005), Techniquelle.com

Co-founder of San Diego organization supporting creative women and girls in technology, easing digital divide. Arranged monthly workshops, meetings and mentoring. Managed editorial side of website. Developed business plan.

Collaborated with personnel / guest speakers at Craigslist, SAIC, Sony, Geekrave, Women in Technology International, Society for Technical Communication, 2600, Association for Computing Machinery. Collaborated on major fundraising event, a Halloween costume ball featured on San Diego's KUSI-TV.

## PUBLICATIONS & POSTERS

### Journal Articles

**Wieland, P. S., & del Pino Kloques, D.** (2022). A surprising navigation: The emergence of the LODeStone model for specialized learning design, through the creation of OCTBR, a Creative Commons- licensed course development tool for health science learning. *International Journal on E-Learning*. 21(1): 79-87.

**Wieland, P. S., Willis, J., Peters, M. L., & O'Toole, R.** (2018). Examining the impact of modality and learning style preferences on recall of psychiatric nursing and pharmacology terms, *Nurse Education Today*. 66: 130-134. DOI: <https://doi.org/10.1016/j.nedt.2018.04.003>

### Conference Proceedings

**Wieland, P., & Hayes, A.** (2021). [Decentralized MTurk research during the 2020-2021 pandemic](#): A means for students and emerging faculty to pilot novel studies and learn research best practices. SITE Interactive: American Association for Computing in Education conference, virtual, 2021.

**Wieland, P. S., & del Pino Kloques, D.** (2019). A surprising navigation: The emergence of the LODeStone model for specialized learning design, through the creation of OCTBR, a Creative Commons- licensed course development tool for health science learning. E-LEARN International: American Association for Computing in Education, New Orleans, LA, 2019.

### **Upcoming Manuscripts**

Collins, D.M., **Wieland, P.S.**, del Pino Kloques, D., Jarvis, D., Ratcliff, K, Jones, J., & Hilton, C.L. (2020). Off-the-shelf, wearable technology to quantify physical exertion in the community – lessons learned. Under review.

Hayes, A., Chambers, R., Jackson, K., & **Wieland, P. S.** (2022). A blended learning continuum to prioritize social learning. Under review.

### **Manuscripts in preparation**

Phillips-Hoyle, K., & **Wieland, P. S.** (2020). Proposed development of an experimental scale to measure readiness for adoption of open educational practices and resources.

**Wieland, P.S.** (2021). Use of lecture recording video in health science education: a scoping review for health science learning.

**Wieland, P.S.** (2021). Agile and agnostic: the flexibility of the Dynamic Systems Development Model (DSDM) in creating a novel, connectivist MOOC.

### **Posters**

**Wieland, Patience.** Lecture capture in health science education, and its impact on attendance and achievement: a preliminary scoping review. IAMSE (International Association of Medical Science Educators) Annual Meeting, 2022, Denver, Colorado.

**Wieland, Patience.** Using the DSDM Model to rapidly prototype a MOOC: Opportunities for remote, socially distanced teams. IEEE MetroCon, 2021, Fort Worth, Texas.

**Wieland, Patience,** del Pino Kloques, David. OCTBR: Online Course Teaching and Building Rubric. University of North Texas Learning Technologies Annual Meeting, 2019, New Orleans, Louisiana.

Syed, Misha, **Wieland, Patience,** del Pino Kloques, David. Piloting of an innovative learning method in ophthalmology embracing digital technologies for teaching and learning (The Interactive Ophthalmologic Learning, or IOL, Curriculum). Association of University Professors of Ophthalmology Annual Meeting, 2018.

**Wieland, Patience,** del Pino Kloques, David. Creating an online course design rubric for teaching the health sciences. Academies Collaborative Symposium, Galveston Island, Texas, 2017.

Syed, Misha, **Wieland, Patience**, del Pino Kloques, David. Piloting of an innovative learning method in ophthalmology embracing digital technologies for teaching and learning (The Interactive Ophthalmologic Learning, or IOL, Curriculum). Innovations in Health Science Education Annual Conference, 2017.

## Other Publications

### Academic

**Wieland, Patience**, del Pino Kloques, David. (2015). [Online Course Teaching and Building Rubric \(OCTBR\)](http://www.octbr.org). <http://www.octbr.org>

**Wieland, Patience**, del Pino Kloques, David. (2016). Autumn Course Design Checklist for OCTBR.

**Wieland, Patience**, del Pino Kloques, David. (2016). Spring Course Design Checklist for OCTBR.

**Wieland, Patience**, del Pino Kloques, David. (2016). Summer Course Design Checklist for OCTBR.

**Wieland, Patience**, del Pino Kloques, David. (2016). Winter Course Design Checklist for OCTBR.

### Broadcasting, Film and Media (non-academic)

Wieland, P. (2009). Our Miss Brooks. *Mature Focus*.

Wieland, P. (2009). Let's Stop Conning Ourselves. *Strange Horizons*.

Wieland, P. (2009). Picnic. *Mature Focus*.

Wieland, P. (2009). Lawrence Welk. *Mature Focus*.

Wieland, P. (2009). Guy Lombardo. *Mature Focus*.

Wieland, P. (2008). Still Sweet: The McGuire Sisters. *Mature Focus*.

Wieland, P. (2008). Long live Burma-Shave! *Mature Focus*.

Wieland, P. (2008). Boyish-faced, former deejay, Dick Clark. *Valley Messenger*.

Wieland, P. (2008). Should old acquaintance be forgot? *Valley Messenger*.

### Historical

Wieland, P. (2001). Captain Sally Tompkins. *Appleseeds*, 3(7).

Wieland, P. (2000). Drummer Boys. *Appleseeds*, 3(2).

Wieland, P. (2000). Surf's Up in San Diego. *Appleseeds*, 2(9).

Wieland, P. (2000). Old San Diego. *Appleseeds*, 2(9).

Wieland, P. (1999). Gidget Turns Forty. *Old California Gazette*, 10(4).

Wieland, P. (1999). Early Hawai'iian Surfriders. *Old California Gazette*, 10(4).

Wieland, P. (1999). Gone Surfin'. *Old California Gazette*, 10(4).

San Diego Press Club Arts and Entertainment, non-daily, winner.

## Literary

Wieland, P. (2009). The Flag Man. *The Battered Suitcase*.

Wieland, P. (2009). Mortar Fromage. *Blood, Blade, and Thruster*, 2(4).

Wieland, P. (2008). Harvest Moon Glows High. *The Aurorean*.

Wieland, P. (2008). Evening's Grass Dew. *The Sigurd Journal*, 1(3).

Wieland, P. (2008). Capistrano Spring. *The Sigurd Journal*, 1(3).

Wieland, P. (2008). Postcard Across the Pond. *Neon Beam*, 6.

Wieland, P. (2007). Névé. *Parting Gifts*, 21(2).

## MAJOR PERFORMANCES, FILMS, RECORDINGS, SERIES

2018            **Actor**, "Vultures Over Low Doves," *11<sup>th</sup> Hour Audio Anthology*, Blackstone Audio (re-release on CD and Downpour.com).

2016            **Writer/Producer**, "Over Here, Over There," (rebroadcast) KALH Radio, La Luz, New Mexico.

2016            **Sound Designer/Music Supervisor**, "The Vrykolakas," *11<sup>th</sup> Hour* (digital release).

2015            **Producer**, "Transcontinental Terror," a 24-hour broadcast marathon of horror audio fiction, Sound Stages Radio network and simulcast stations. Produced broadcast event in 2013 and 2014 also with different content.

2014            **Web/Below the line**, "Out of Print", a feature documentary about 35mm film.

- 2014      **Associate Producer and Sound Designer**, “Miracle on 34<sup>th</sup> Street”, Clear Creek Country Theatre, Nassau Bay, Texas.
- 2014      **Producer/crew**, "The Parsec Awards" - radio broadcast and digital recording of live awards event, Hyatt Regency, Atlanta, Georgia. Also produced in 2013.
- 2014      **Director**, “Nursing Simulation Skills” – series of elearning videos for students at two campus simulation labs. Videos feature lifelike infant and adult dummies, and how to adjust a suite for a simulated birth.
- 2014      **Producer/editor**, [“Time tunnel through the ether: An experimental microlecture on audio learning for history”](#).
- 2014      **Producer/narration**, [“Microlecture on audio learning”](#), an elearning tool prototype.
- 2014      **Director**, “What is Philosophy,” featurette documentary to promote field to incoming students.
- 2013      **Director**, “Veteran Student Success at San Jacinto College”, promotional documentary.
- 2013      **Writer/Producer**, [“Over Here / Over There,”](#)  
San Jacinto College Proscenium Theatre, Houston, Texas.  
Adapted 2009 feature from the National Audio Theatre Festivals by Meredith Ludwig and Eric Somer, with the assistance of the Library of Congress Veterans History Project.
- 2013      **Writer/Producer**, "War of the Worlds: Houston, 1968",  
original adaptation for the stage, directed by David LeMaster.
- Director**, intermission multimedia ([“digital oil light show”](#))  
San Jacinto College Proscenium Theatre, Houston, Texas.
- 2013      **Guest Host**, “Radio Drama Revival”, five episodes, WMPG Radio, Portland, Maine and digital podcast release. This continuing podcast has had several hosts and led to millions of downloads.
- 2013      **Director**, Dual credit featurettes ([HVAC](#), Auto body, and Cosmetology), for promotional, recruiting use in Brazoria County & Harris County high schools, San Jacinto College
- 2013      **Director**, Fitness Assessment videos, a series of elearning videos to help students learn to measure their fitness levels.

- 2013      **Director**, "[Physical Therapy Assistant Program](#)," recruitment video for the PTA Assistant program.
- 2013      **Director**, "[Five: Where will you be in five years?](#)", self-help video and documentary for entering students.
- 2012      **Director**, "[Service Learning](#)", a featurette targeting faculty who want to learn more about incorporating service into their courses or programs.
- 2012      **Director and photo research**, "[San Jacinto College 50<sup>th</sup> Anniversary: The 1980s](#)",
- 2012      **Director**, Literary theory microlecture series ([Marxism](#), New Historicism, Feminism, Postcolonialism)
- 2011      **Director**, "[A Vision of San Jacinto College's South Campus](#)," a viral response video to Michael Wesch's blockbuster (5 million view) "[A Vision of Students Today](#)".
- 2011      **Director**, "[Vocabulary](#)", a collaboration for the League of Innovations conference with economics professor Dr. Bich Tran.
- 2010      **Director**, "[Mark Twain Reads the Mississippi](#)", a feature documentary, starring actor/radio host Arroe Collins (Mark Twain) and Lucas Keppel (Narrator)
- 2010      **Director/writer**, "Morse Code," an experimental found footage video spotlighting patterns in public domain and Creative Commons licensed material.
- 2010      **Co-Director**, "[Men of Honor](#)," San Jacinto College's submission to the [White House Community College Summit](#), led by Dr. Jill Biden & vice President Biden
- 2010      **Director and DVD authoring**, Lyceum lecture series, astronomer Dr. David Levy at San Jacinto College, (*Discovery of Shoemaker-Levy 9 comet; Astronomy in Shakespeare's day*).
- 2010      **Director/development**, Sherlock Holmes and Watson series.  
Note: Series featured then-cutting edge machinima animation. Character design was molded in Second Life (immersive environment), with RealAllusion software used to animate a character's face and mouth, and [match voice actors' performance](#).
- 2010      **Co-Director**, Chemistry elearning video series
- 2009      **Co-Director**, Interprofessional [health crisis simulation video](#) for allied health students. Scenario takes place after major explosion at petrochemical plant. [Health professions students doubled as actors](#) / standardized patients in addition to practicing simulation.

- 2009      **Director/co-writer**, “The Black Cat,” radio broadcast and digital recording, National Audio Theatre Festivals, West Plains, Missouri.
- 2009      **Distributor and tie-in video direction**, [“Tesla vs. the United States”](#).  
Online/international premiere of audio drama, written by Charles Moster and performed by Deus Ex Machina troupe, over YouTube; later syndicated across Canadian radio.
- 2009      **Director/writer**, [“Seasons & Syllables”](#), example haiku elearning for faculty, starring Craig Wichman (THE CHANGELING, Quicksilver Radio Theater).
- 2009      **Director**, “Bit by Bit,” 10 part computer science elearning series
- 2009      **Narrator/Director**, [“What is a microlecture?”](#) introductory elearning for faculty
- 1998      **Assistant Director** (Massachusetts), “A Glance Apart”.  
Feature short shot in Northfield, Massachusetts.
- Writer/Producer**, “The War is Over?”  
A documentary script on WWII which incorporated a series of on-screen interviews with Russian, German and American students and Kazmina Jean Cotton, Polish-Canadian military historian.

## AWARDS AND HONORS

- 2021-2022      COVID-19 Student Success Award, Spring 2022; Fall 2021; Summer 2021, University of North Texas, Denton, Texas.
- 2020-2021      Melvin H. Moffitt, Jr. Scholarship, College of Information, Department of Learning Technologies, University of North Texas, Denton, Texas.
- 2019      Poster award, University of North Texas Learning Technologies Annual Meeting, 2019, New Orleans, Louisiana.
- 2017      (Co-author). Abstract of Distinction, Kenneth I. Shine Innovations in Health Science conference, University of Texas, Austin, Texas.
- UTMB School of Health Professions University Staff Award, Galveston, Texas.
- 2013      Texas Distance Learning Association Conference Scholarship, San Antonio, Texas.

- 2009            Dollars for Scholars (Hawk) Scholarship, University of Houston-Clear Lake, Houston, Texas.
- National Audio Theatre Festivals Workshop Scholarship, St. Louis, Missouri.
- 2000            Arts and Entertainment J-Award, San Diego Press Club, San Diego, California. (For "Gone Surfin' ", a series of articles in the OLD CALIFORNIA GAZETTE).
- New York Expo of Short Film and Video - Best Fiction Award  
                 Cinema Texas - Special Jury Award IFP Buzz  
                 Cuts – Two Boots Pioneer Theater  
                 (For "A Glance Apart"; assistant director)

## CONFERENCE ACTIVITY/PARTICIPATION

### Events Organized

The Veterans in Our Community Film Festival and Speaker Series, San Jacinto College District, 2013-2014. Chair; panels included guest speakers Wes Moore, Marylyn Harris, and documentarist Laura Varela; Houston premiere of "SERVICE: When Women Come Marching Home", a staged reading of Mackinlay Kantor's "Glory for Me" and eleven other films.

### Panels Organized

Movies in My Head: Audiodrama and Film, South by Southwest Film Festival, Convergence Track, 2015.

### Conference Talks

How I spent my summer simulation. University of North Texas Learning Technologies (LTEC) Annual Meeting, virtual, 2022.

Decentralized MTurk research during the 2020-2021 pandemic: A means for students and emerging faculty to pilot novel studies and learn research best practices. SITE Interactive: American Association for Computing in Education conference, virtual, 2021.

The LODEStone model. Texas Distance Learning Association conference, Fort Worth, Texas, 2020. (In person meeting cancelled due to 2020-2021 global pandemic.)

(Co-author). Occupation Station 204A - Metaphor, Meaning & Mindfulness: The Tools of the Psychosocial OT. American Occupational Therapy Association, Boston, MA, 2020. (In person meeting cancelled due to 2020-2021 global pandemic.)

(Co-author). Metaphor, meaning, & mindfulness: The tools of the psychosocial OT. Texas Occupational Therapy Association Annual Conference, Austin, Texas, 2019.

Using the Online Course Teaching & Building Rubric (OCTBR) to improve student satisfaction with your courses. Texas Blackboard Users Conference (T-BUG), San Antonio, TX, 2017.

(Co-author). Dual-Purpose Portfolios: Creating Durable Tools for Learning and Working. Texas Blackboard Users Conference (T-BUG), San Antonio, TX, 2017.

(Co-author). Piloting of an innovative learning method in Ophthalmology embracing digital technologies for teaching and learning (The Interactive Ophthalmologic Learning, or IOL, Curriculum). Academies Collaborative Symposium, Galveston, TX, 2017.

(Co-author). Piloting of an innovative learning method in Ophthalmology embracing digital technologies for teaching and learning (The Interactive Ophthalmologic Learning, or IOL, Curriculum). Innovations in Health Science Education Annual Conference, Austin, TX, 2017.

Learning a technical language. UHCL Student Conference for Research and the Creative Arts, Houston, TX, 2014.

(Video producer/co-author). Vocabulary: how our understanding of words and phrases related to learning have changed over time. League for Innovations Conference, Phoenix, AZ, 2012.

Crowdsourcing your content: Free Creative Commons-licensed media for learning. Innovations in Teaching and Learning Conference, Baytown, TX, 2011.

Crowdsourcing your content with Creative Commons licensing. Texas Distance Learning Association conference, San Antonio, TX, 2011.

Crowdsourcing your content with Creative Commons licensing. University of North Carolina Teaching and Learning with Technology (TLT) Conference, Charlotte, North Carolina, 2011.

## TEACHING / TRAINING EXPERIENCE

2015-2018      **Instructor**, technology learning courses for students, faculty, and staff,  
University of Texas-Medical Branch  
"Accessibility for Word and PowerPoint"  
"Blackboard for Faculty"  
"Blackboard for Non-Instructors"  
"Digital Video" (Paired with instruction on Tegrity and Ensemble Media)  
"Using Blackboard Portfolios"  
"Test Development with Respondus 4.0" (Assessment design + software)  
"Trends in Health Science Learning"

2010-2012      **Instructor**, “Creative Commons Licensing”, San Jacinto College District  
(offered to faculty and staff only)

1998            **Instructor**, "Film and History," January Term, Hampshire College.  
Taught seminar of undergraduate students during January term.

## RESEARCH EXPERIENCE

### Formative Design Research - Student

2021-            [“Warren, reloaded”](#)

This design retools the intensive, in-person case study, “What’s Wrong with Warren”, hosted by the Interprofessional Education team at University of Texas-Medical Branch. The Johns Hopkins’ P-Process is used to guide the development of an inquiry team that allows students and mentors to tailor a new version of the “Warren” game. Students will lead inquiry efforts into related topics, such as the Extended Parallel Process Model (EBBM). The inquiry group is also guided in making a meta-narrative of either simple content, or existing media “pearls”.

2020-            [InCharacter VR](#)

This is a proposed virtual world using empathic agents and traditional theatrical practices and designs. Teenagers can rehearse positive psychosocial behaviors in the virtual world, primarily in low-key environments, such as the in-world grocery store, park, and restaurant. In an intensive, “speech” module, they can also observe in-depth oratory by empathic agents, and then continue rehearsal of key speeches. A “Pro” version would also enable standardized staging locations, as well as the use of synthetic stock characters for individual practice (“embodiment”) and as virtual scene partners.

2019-            [Race to Victory Day](#)

This is an immersive history game used to teach the social history of World War II. The game takes place over three stages, and is set in Mobile, Alabama, a location that drew workers and service members from all over the United States. The purpose of the game is to explore if an immersive game can aid in the learning of metacognitive skills including historical empathy. Prototype sketches, a 3D Sketchup mockup, and a sample avatar have already been designed.

2019-            [CinemaMOOC](#)

This is a proposed connectivist MOOC that would help teach storytelling skills in a novel community of practice, focused on the history of film and related technologies in the 20th century. Pen and paper prototypes were then tested in

multiple usability prototypes by eight prospective users outside the University of North Texas. A fuller-fledged prototype has been evolved in Balsamiq Mockups.

2019- **Gaming the Occupational Therapy Field-kit**

Building on previous collaborative work with occupational therapy colleagues at University of Texas-Medical Branch and University of St. Augustine, this is a solution to help students pilot their early fieldwork experiences. It is a format-agnostic game point system and hierarchy. The system is designed for students engaged in psychosocial learning, across the collaborative creation of a digital resource.

**Quantitative or Mixed Methods Research**

2021- **Student investigator**, Journalism study, University of North Texas/USC

Conducted participant recruitment on this study, exploring the impact of immersive media on perceptions of a journalistic story. Developed strategy to recruit and pre-qualify Amazon MTurk workers and social media participants, throughout the pandemic and social distancing. Arranged, ran participant meetings, with experimental/control treatment provided to participants over Zoom. Maintained and cleaned data, and study materials, supervised undergraduate researchers. Produced training materials for other student researchers: topics include recruitment of participants, running experimental data collection with participants, and understanding the scope of study.

2019- **Student / Principal investigator**, [SQA/blog learning study](#), University of North Texas

Pilot study involved adapting a highly cited instrument for exploring the adoption of blogs by computer science learners. The new experimental scale adapted this instrument to explore the adoption of social question and answer sites, namely StackExchange and Reddit, by computer science learners; participants were 132 Amazon mTurk workers. I have received approval to continue adapting the existing instrument for another study. The instrument was originally designed by Dr. Princely Infinedo at Brock University.

2019 **Student / Principal investigator**, [Military spouse study](#), University of North Texas

This mixed methods study is interested in the experience of military spouses – both male and female – and their perseverance in “portable” learning and careers. On hold due to lack of quantitative data from DOD; hoping to partner with Rand or Institute for Veterans and Military Families (IVMF).

- 2018-2019     **Student / Principal investigator, [Reflective game study, \("Mariposa"\)](#)**  
University of North Texas / San Jacinto College District
- Mixed methods study analyzing the use of a roleplaying game, Mariposa, used to increase historical and humanities knowledge and reflective thinking among early undergraduates. Note: due to face to face design of game study, which received site approval from San Jacinto Community College District's IRB, the study was placed on indefinite hold during the coronavirus pandemic.
- 2018           **Student / Principal investigator, [Reflection study](#), University of North Texas**
- Mixed methods study analyzed whether treatment group exposed to video on reflecting in action would score more highly on highly validated Reflective Thinking Questionnaire than those who saw a control video. Study involved over 30 Amazon mTurk participants in the United States, India, Macedonia, Russia and Pakistan.
- 2018           **Student investigator and project manager, [Milestone project](#), University of North Texas**
- Managed a team of doctoral students in developing and designing a proposed intranet site. Site would both meet the needs of faculty concerned about "lagging" students, and also assist entry-level doctoral students starting a distributed program in learning technologies.
- 2016-2018     **Data manager, University of Texas-Medical Branch.**
- [Collaborator on pilot project on wearable technology.](#) Study pairs high functioning teenagers on the autism spectrum with Fitbit watches and a regular exercise routine.
- 2011-2014     **Student / Principal investigator, [Nursing and audio technology study](#), University of Houston-Clear Lake.**
- Studied a cohort of non-prescribing, second semester LVN students, to discover whether podcasts or written text would better enable learning of difficult pharmacological terms.

## INSTITUTIONAL & EXTRACURRICULAR SERVICE

- 2021- **Peer reviewer** for *Smart Learning Environments* (SpringerOpen).
- 2019- **IB (International Baccalaureate) Examiner**, iB Programme – reader for international student exams on Film, including viewing and grading 10 minute analysis videos for Film certificate.
- 2018- **Peer reviewer** for *Psychology Research and Behavior Management* (Dove Medical Press).
- 2017-2018 **Member** of the Quality Enhancement Plan (QEP) leadership committee, University of Texas-Medical Branch. A QEP is a centerpiece of the accreditation process with SACS (Southern Association of Colleges and Schools).
- 2017- **Peer reviewer** for *Nurse Education Today* (Elsevier).
- 2015 **Judge**, Texas Educational Theatre Association's PlayFest. As part of a small, invited panel, read one act, full length plays from a pool of 83 submitted plays, nominating student and regional winners.
- 2012-2014 **Founded and chaired** San Jacinto College District Veterans in Our Community Film Festival, comprising 12 films, and several guest speakers, running Fall 2013 and Spring 2014. Host for several presentations and speakers.
- Wrote, received, and managed a \$5000 grant for film purchases, selected a film advisory panel, negotiated film rentals, and performance rights with the MacKinlay Kantor and Marion Hargrove estates.
- 2013 **Wrote and produced** "The War of the Worlds," a live audiodrama performance incorporating San Jacinto College students, staff and faculty. New script was based on original book by H.G. Wells, set in Houston area.
- 2013 **Wrote and produced** "Over Here, Over There," a live, two act audiodrama performance incorporating San Jacinto College students, staff and faculty, adapted from workshopped "Over Here", a production by oral historian Meredith Ludwig and Eric Somer, Dutchess Community College; originally produced at the National Audio Theatre Festivals (now known as the HEAR Now Festivals) as a half hour one-act. Book was based on original letters and oral histories by veterans and active duty servicemembers.
- First performance held on 150th anniversary of Pickett's Last Charge (dramatized in performance); second performance during Veterans Week, November 2013.

- 2012-2014 **Technical advisor & production**, San Jacinto College Veterans Oral History Project, collecting veteran and active duty oral histories now available in the Library of Congress.
- 1998 **Co-coordinator**, Canadian Film Lecture Series, Five College Canadian Studies Program, University of Massachusetts, Amherst, MA. Founded and produced New England film premiere of *Twilight of the Ice Nymphs* with head of Five College Canadian Studies Program, Dr. Robert Schwartz.
- Lecture series included Guy Maddin, Telluride-medal winning filmmaker, and Noam Gonick, independent filmmaker of "1919", regarding pivotal Winnipeg strike. Wrote and requested grants, receiving funds from four of the Five Colleges to support film series.
- 1995-1998 **Founder/Leader**, Five College Webgrrls Chapter, Webgrrls International. Founded the second Webgrrls chapter in New England, and first campus-based chapter. Shared knowledge and skills with members during meetings, workshops. Ran listserv for members, based at Mount Holyoke College; coordinated internship placement with professors at University of Massachusetts. Sponsored special trips to Boston's Computer Museum, Webgrrls Expo in New York.

## COMMUNITY INVOLVEMENT

- 2012-present **Founder, chief organizer** for the international World Audio Drama Day arts event, first noted on October 30, 2013, promoting October 30th anniversary of Orson Welles' "War of the Worlds" broadcast in 1938, and the continued presence of audio drama as worldwide artform.
- Audio Drama Day was noted in the Congressional record in 2015 (**E1555, October 28th**), and a yearly collaborative event, 11<sup>th</sup> Hour Productions (hosted by Aural Stage Studios) pairs regional creators to make an original audio drama in October.
- 2021-present Advised Society to Preserve and Encourage Radio Drama, Variety and Comedy, or SPERDVAC, a California-headquartered 501(c) nonprofit established in 1974, on social media marketing to reach younger podcasters and listeners.
- 2020-present In-kind donor and support of YesterdayUSA (formed in Richardson, Texas in 1983 as the National Museum of Broadcasting History, a 501(c) nonprofit).
- 2016-2017 **Board of Directors**, Audio Drama Network/Aural Stage Studios, a nonprofit for audio creators.

- 2010-2011      Advised National Audio Theatre Festivals, a nonprofit established in 1979, on strategic planning, workshop planning, and social media marketing to reach younger generations of media producers. (NATF is now known as HEAR Now Festivals; formerly known as the Midwest Radio Theatre Workshop, founded by Jim Jordan, known to radio and film audiences as *Fibber McGee*).
- Assisted Friends of Old Time Radio, organization for retired radio/TV performers and fans, with social media (Facebook, creating first Wikipedia page, advertisements for final conference, appearing on podcasts and streaming networks.) This included a National Public Radio interview with Linda Holmes (Pop Culture Happy Hour/Monkey See), about final FOTR convention in Newark, preempted nationally by a Minnesota Public Radio report.
- 2008-2009      After Hurricane Ike (September 2008), which flooded Galveston Island and the Strand, a National Historic Landmark District, I assisted Galveston Historical Foundation with social media planning and promotion. The main focus was on the revived Dickens on the Strand event, and returning tourism to Galveston Island less than three months after the disaster.
- This included a feature interview, printed in regional news, about Galveston business owners; I also worked with local B&B owners and hotel managers to develop list of available properties, which was later reprinted in the *Austin-American Statesman* and other media outlets. During the event, also recorded videos and photos, including performing acts the Bilge Pumps and Wyndnwyre.
- 2007-2008      Social media assistance for the Alvin-Friendswood Habitat for Humanity. This included advising on reaching young families in the Hispanic/Latinx communities, through social media and local Spanish-language media.
- 2003-2005      Active in Project Misty (MST3K) and Books for Soldiers SOS (Support Our Soldiers) fundraising drives, supporting thirty different units serving outside the US (Iraq, Afghanistan, Qatar, Kuwait, Germany, Japan & Persian Gulf.) Collected books for English-language library started by Peace Corps unit in Kazakhstan.
- 2000-2001      Through Techniquelle organization, fundraised for Epicentre, Pangea Foundation and San Diego Futures Foundation, including through fundraiser costume ball.

## MEDIA COVERAGE

- 2022 Interview in *Horror Podcasting* (forthcoming from Routledge, 2023).
- 2021 "Stage makeup," *PodcastMovement.com*, October 27, 2021.
- 2021 "A brief history of audio drama," [Guest feature], *Acast*, October 26, 2021.
- 2019 [On Audio Drama Day]. "Roses and thorns", *Press Enterprise*, November 2, 2019.
- 2019 [On Audio Drama Day]. "Oldies 101.5 to continue Halloween tradition," *Daily Mountain Eagle*, October 31, 2019.
- 2019 "Berwick native starred on radio," *Press Enterprise*, October 30, 2019.
- 2018 "War of the Worlds / World Audio Drama Day", *News Talk* (broadcast), October 30, 2018, Virgin Talk Radio (UK).
- 2018 "See Who's Working Wonders", *Impact*, April 2018.
- 2017 "Help for Hurricane-Affected Student Loan Borrowers", *U.S. News and World Report*, October 11, 2017.
- 2015 "Oct. 30 is 'Audio Drama Day'; Hear 'The Couple Next Door'". *WHAU News / WHAV Radio*, October 30, 2015.
- 2015 "Audio drama looks to reintroduce itself to world," *Radio World*, October 2015.
- 2015 "The Intimacy of Radio: Theatre of The Ear," *Storyline*, September 2015.
- 2015 "Doing live shows," *Audio Drama Production Podcast*, July 2015. (Scotland).
- 2015 "27 Tips to Be Awesome at Customer Service," *Media Leaders*, April 14, 2015.
- 2015 "Texan radio drama revivalists", *Standing Room Only* (broadcast), March 22, 2015, Radio New Zealand.
- 2015 "Radio Drama Revival Extra", (digital release), March 20, 2015.
- 2015 "Sound Stages Radio Network," *C-47 Houston*, March 11, 2015.
- 2014 [On Veterans Film Festival]. "San Jacinto College celebrates African-American veterans during military film fest," *Houston Chronicle*, February 4, 2014.

- 2013 "San Jacinto College offers veteran outreach program," *Houston Chronicle*, November 10, 2013.
- 2013 "Veteran film festival to open with TX filmmaker's documentary," *Inside Deer Park*, November 1, 2013.
- 2013 "The 75th Anniversary of WAR OF THE WORLDS Broadcast and Orson Welles' Legacy Lives On." *Broadway World*, October 29, 2013.
- 2013 "Veterans' Film Festival showcases life during, after war." *San Jacinto Times*, October 28, 2013.
- 2003 [On Techniquelle]. "Global feminisms, transnational political economies, third world cultural production." *Journal of International Women's Studies*, 4(2).
- 2003 [On Techniquelle]. "Friends in Need." *Startups / Entrepreneur.com*, October 2003.
- 2001 [On Techniquelle]. San Diego Futures Foundation. *A Blueprint: From Digital Divide to Digital Provide*.

## TEACHING / TRAINING / MENTORING areas

Communications, especially film and broadcasting history, radio drama  
Emerging trends in medical, health science and higher education (#FOAMED, participatory medicine, informal learning on social question sites)  
Instructional design & technology, multimedia design; cognitive theories of multimedia learning  
New media and intellectual property (open source, Creative Commons, copyright)  
Research methods, basic statistics, IRB planning  
Scriptwriting; audio, video production  
Software (office, creative, learning) – I have trained adults at a variety of levels.

### **Interdisciplinary interests fusing media, science and the humanities include:**

Social history of sciences and technology: I am particularly interested in the cultural impacts on health care and health professions, computer-mediated communication, and broadcasting.

Interprofessional education (IPE): improving metacognition, teamwork and understanding across care paradigms. Understanding the impact of social history and roles in IPE.  
Using media, entertainment education for public health education and collaborative care.

Simulation, serious games/game based learning, and immersive, narrative based formats, especially when used to build empathy and metacognitive skills, or practice professionalism.

Learning strategies and environments that improve outcomes for all learners, including underrepresented groups, people with disabilities, and first generation students.

## PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

American Association of Colleges for Teacher Education (AACTE)  
American Educational Research Association (AERA)  
American Interprofessional Health Collaborative (AIHC)  
American Psychological Association  
Association for Computing Machinery \*SIGGRAPH, SIGCHI  
Association for the Advancement of Computing in Education (AACE)  
Association for Educational Communications and Technology (AECT)  
Association for the Study of Higher Education (ASHE)  
Association of Medical Illustrators (AMI)  
Educause  
Immersive Learning Research Network (iLRN)  
Institute of Electrical and Electronics Engineers (IEEE) \* biomed, comm, WiE and VR societies  
International Association of Medical Science Educators (IAMSE)  
Society for Simulation in Healthcare (SSH)  
Texas Distance Learning Association  
Women in Film

## REFERENCES

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