

A.J. Kleinheksel

ajkleinheksel.com

Profile

- Certified healthcare simulation educator with experience in virtual and high fidelity patients
 - Seven years of professional experience in higher education administration
 - Ability to direct complex projects from concept to successful completion
 - Proven ability to collaborate with students, faculty, administrators, & community leaders
 - Trained in agile development processes, project management, & conflict resolution
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Education

Doctor of Philosophy, Curriculum and Instruction, Educational Technology

University of Florida, Gainesville, Florida

Dissertation: *Measuring the Adoption and Integration of Virtual Patient Simulations in Nursing Education: An Exploratory Factor Analysis*

Master of Education, Educational Leadership

University of Florida, Gainesville, Florida

Bachelor of Arts, Religious Studies

Michigan State University, East Lansing, Michigan

Bachelor of Arts, Social Relations and Policy

Michigan State University, East Lansing, Michigan

Certifications

Certified Healthcare Simulation Educator, Society for Simulation in Healthcare

Certificate #161249, Expires November 23, 2019

Certified Grant Proposal Writer, Fort Hays State University Grants Training

Employment **Educational Researcher**, *Educational Innovation Institute* 2017-present
Assistant Professor, *Department of Medicine*
Medical College of Georgia, Augusta University, Augusta, Georgia

- Conducts interdisciplinary research on educational technologies in health professions education, including simulation and distance learning, and the measurement and assessment of higher-order thinking skills such as clinical reasoning
- Promotes best practices in the design and execution of educational research through faculty consultations and collaborations to support the scholarship of health professions educators
- Provides health professions educators with both innovative and time-tested strategies and technologies to promote educational excellence
- Co-leads and lectures in the Educational Researcher faculty fellowship

Director of Instructional Design 2012-2017
Shadow Health, Gainesville, Florida

- Designed conceptual frameworks, learning activities, assessment instruments, systems architecture, features, and content for clinical simulation experiences and course management systems to ensure effective and engaging learning for students, and impactful and efficient teaching for health professions faculty
- Collaborated with game and graphic designers, software developers, product managers, scriptwriters, executive leadership, subject matter experts, and faculty in an agile environment to design, create, and release innovative digital clinical simulations for health professions education
- Provided oversight and made recommendations based on educational best practices, research-based learning theory, and emerging technological resources to promote innovative teaching and learning
- Created, organized, and standardized product content and documentation in internal content repositories, customer-facing course and assignment product templates, and supplementary materials
- Collaborated on the user interface design of Shadow Health software and the graphic design of supplementary instructional materials, including data visualization, faculty dashboards and gradebooks, and student workbooks
- Designed program evaluations, user testing protocols, and assessment instruments, contributed to the analysis and interpretation of data, and communicated results to stakeholders to facilitate the improvement of products, development cycles, and internal and external training initiatives
- Initiated, developed, and provided guidance for the faculty development program, which consisted of individualized faculty training, customized curriculum integration services, online resources, and regular national webinars
- Conducted consultations with faculty on educational research methods

- Employment (cont.)** **State Programs Coordinator II**, *Student Financial Affairs*, 2009-2012
University of Florida, Gainesville, Florida
- Interpreted and implemented legislative changes to state scholarships and grants, directing institutional policy on state programs administration
 - Managed the Florida Bright Futures Scholarship Program, disbursing \$59,843,032 to 25,793 students for the 2011-2012 academic year
 - Designed and produced online educational Florida Bright Futures
 - Administered the Robert C. Byrd, Rosewood Family, José Martí, and Children and Spouses of Deceased and Disabled Veterans scholarships
 - Oversaw system programming; analyzing, testing, and identifying errors, as well as developing and designing the State Programs EAGLE page
 - Conducted a biennial, university-wide survey of current student spending habits, in order to create accurate student financial aid budgets
- State Programs Coordinator I**, *Student Financial Affairs*, 2007-2009
University of Florida, Gainesville, Florida
- Administered the statewide Frederick W. and Grace P. Brecht Scholarship from application to payment, increasing the number of 2009-2010 Frederick W. and Grace P. Brecht scholars by 30% in two years
 - Led an interdepartmental committee to program the automation of the Frederick W. and Grace P. Brecht Scholarship process
 - Collaborated with Tax Services to pay foreign national student scholarships
 - Managed and reconciled multiple scholarship accounts
 - Presented staff training sessions on scholarship processes
 - Created seven standard operating procedures for the Scholarships and State Programs areas to ensure more accurate and effective training
 - Collaborated with state agencies to administer the Robert C. Byrd Honors Scholarship to out-of-state recipients
 - Evaluated and processed state scholarship petitions
- Student Services Coordinator**, *Professional and Executive MBA Programs*, 2006-2007
University of Florida, Gainesville, Florida
- Coordinated cohort course materials including orders and distribution
 - Organized events, including orientation, graduation, and networking socials
 - Verified the accuracy of Registrar enrollment lists
- Service-Learning Coordinator**, *AmeriCorps*VISTA*, 2004-2005
Warner Southern College, Lake Wales, Florida
- Managed student service-learning, including classroom presentations, scheduling, and attendance supervision
 - Designed and developed materials to promote service-learning
 - Established and maintained professional relationships with Warner Southern faculty and administration, and Polk County School administrators
 - Developed new service-learning partnerships within the community

**Peer
Reviewed
Publications**

- Tien, L., Wyatt, T. R., Tews, M., & **Kleinheksel, A.J.** (Under Review) Simulation as a tool to promote professional identity formation and patient ownership in medical students. *Simulation in Healthcare*.
- Tews, M., Deobald, C., **Kleinheksel, A.J.**, Treat, R. (Under Review). The relationship between medical student case logs and faculty end-of-shift assessments. *Perspectives on Medical Education*.
- Schultze, S. R., Mujica, F. C., **Kleinheksel, A. J.** (Under Review). Demographic and spatial trends in diabetes-related virtual nursing examinations. *Social Science and Medicine*.
- Kleinheksel, A. J.**, Rockich-Winston, N., Tawfik, H., & Wyatt, T. R. (Under Review). Demystifying content analysis: A qualitative method for pharmacy education. *American Journal of Pharmaceutical Education*, [Special Thematic Issue].
- Kleinheksel, A. J.**, Ritzhaupt, A. (2017). Measuring the adoption and integration of virtual patient simulations in nursing education: An exploratory factor analysis. *Computers and Education*, 108, 11-29.
- Foronda, C., Alfes, C. M., Dev, P., **Kleinheksel, A. J.**, Nelson, D. A., O'Donnell, J. M., & Samosky, J.T. (2017). Virtually nursing: Emerging technologies in health education. *Nurse Educator*, 42(1), 14-17.
- Strekalova, Y. A., Krieger, J. L., **Kleinheksel, A. J.**, & Kotranza, A. (2016). Empathic communication in virtual education for nurses: I'm sorry to hear that. *Nurse Educator*, 42(1), 18-22.
- Strekalova, Y. A., Krieger, J. L., Neil, J., Caughlin, J. P., **Kleinheksel, A. J.**, & Kotranza, A. (2016). I understand how you feel: The language of empathy in virtual clinical training. *Journal of Language and Social Psychology*, 36(1), 61-79.
- Kleinheksel, A. J.** (2014) Transformative learning through virtual patient simulations: Predicting critical student reflections. *Clinical Simulation in Nursing*, 10(6), e301-e308.
- Antonenko, P. D., Lee, B. R., & **Kleinheksel, A. J.** (2014) Trends in the crowdfunding of educational technology startups. *TechTrends*, 58(6), 36-41.

**Book
Chapters**

- Kleinheksel, A. J.** (2017). Virtual patients in health professions education. In J. Stefaniak (Ed.), *Advancing medical education through strategic instructional design* (pp. 245-261). Hershey, PA: IGI Global.

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- Presentations** Tew, M., Reed, T., Lugassy, D., Quinones, D., Owen, J., **Kleinheksel, A. J.** (2019, January). *“Moving the masses”:* Conceptual, instructional, and operational considerations for planning and delivering simulation for large numbers of learners. Oral presentation at the International Meeting on Simulation in Healthcare, San Antonio, TX.
- Bathala, K., **Kleinheksel, A. J.**, Tews, M. (2019, January). *Measuring facilitator adherence to a structured simulation debriefing model: Implications for training programs.* Poster presented at the International Meeting on Simulation in Healthcare, San Antonio, TX.
- Kleinheksel, A. J.** (2018, November). *Agile instructional design for medical education.* Focused discussion at the Association of American Medical Colleges Learn Serve Lead Conference, Austin, TX.
- Kleinheksel, A. J.**, Wyatt, T. R., Griffin, A., Bailey, M., & Berry, A. (2018, April). *Beyond did you like it?: Expanding models of faculty development evaluation.* Oral presentation at the meeting of the Southern Group on Educational Affairs, Jackson, MS.
- Kleinheksel, A. J.**, Wyatt, T. R., & Gillies, R. A. (2018, April). *To prove or improve? That is the question: The use and misuse of teaching evaluations.* Small group discussion at the meeting of the Southern Group on Educational Affairs, Jackson, MS.
- Kleinheksel, A. J.** & Wyatt, T. R. (2018, April). *Focusing the inner gaze: Action research as a means for scholarship of teaching.* Workshop conducted at the meeting of the Southern Group on Educational Affairs, Jackson, MS.
- Wood, E., Payne, A. M., Brown, S. P., Wyatt, T. R., & **Kleinheksel, A. J.** (2017, October). *Introducing simulation through a situated cognition framework to integrate physiology into clinical medicine.* Oral presentation at the meeting of the Georgia Educational Research Association, Augusta, GA.
- Wood, E., Wyatt, T. R., & **Kleinheksel, A. J.** (2017, October). *Designing an eGuide for physical examination in pre-clerkship medical education: A pilot study.* Oral presentation at the meeting of the Georgia Educational Research Association, Augusta, GA.
- Wyatt, T. R., **Kleinheksel, A. J.**, Wood, E., Toomey, T. M., & Stepleman, L. M. (2017, October). *Navigating and Building Capacity for Educational Research: An Interactive Website to Ensure Smooth Sailing.* Oral presentation at the meeting of the Georgia Educational Research Association, Augusta, GA.
- Jimenez, F. A., **Kleinheksel, A. J.**, & Kotranza, A. (2017, July). *Hands off: Student experiences in objective data collection in virtual clinical simulation.* Oral presentation at the meeting of the Sigma Theta Tau International Nursing Research Congress, Dublin, Ireland.
- Kleinheksel, A. J.**, & Jimenez, F. A. (2017, July). *Who decides?: Analysis of decision-makers in the adoption of virtual patients for nursing education.* Poster presented at the meeting of the Sigma Theta Tau International Nursing Research Congress, Dublin, Ireland.
- Strekalova, Y. A., Krieger, J. L., Neil, J., Caughlin, J. P., **Kleinheksel, A. J.**, & Kotranza, A. (2016, April). *Time for empathy: The role of communication skills for improving medical history intake outcomes.* Oral presentation at the meeting of the International Conference on Communication in Healthcare, Heidelberg, Germany.
- Kleinheksel, A. J.** (2016, April). *Integrating virtual patient simulations into the classroom: The SRM model.* Special session presented at the meeting of the Sigma Theta Tau International Nursing Education Research Conference, Washington, DC.
- Jimenez, F. A., & **Kleinheksel, A. J.** (2016, April). *Methods for the development and validation of new assessment instruments.* Oral presentation at the meeting of the Sigma Theta Tau International Nursing Education Research Conference, Washington, DC.

- Presentations (cont.)** Strekalova, Y. A., Krieger, J. L., **Kleinheksel, A. J.**, & Kotranza, A. (2016, April). *I'm sorry to hear that: Empathetic communication in virtual clinical training for nurses*. Oral presentation at the meeting of the Kentucky Conference on Health Communication, Lexington, KY.
- Krieger, J. L., **Kleinheksel, A. J.**, Strekalova, Y. A., & Kotranza, A. (2015, October). *Taming unstructured data: Analyzing empathy skills in virtual clinical training*. Oral presentation at the meeting of the International Conference on Communication in Healthcare, New Orleans, LA.
- Kleinheksel, A. J.** (2014, October). *Transformative Conversations with a Virtual Patient*. Oral presentation at the meeting of the American Academy on Communication in Healthcare, Research and Teaching Forum, Orlando, FL.
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Teaching

Interprofessional Education Healthcare Simulation Faculty Training

Interprofessional Simulation Center, Augusta University, Augusta, Georgia

- Lecturer, 2018

Faculty Development Fellowship, Educational Research Track

Medical College of Georgia, Augusta University, Augusta, Georgia

- Assistant Director, 2018
 - Responsible for curriculum design, mentorship, and instruction of Year 1 ERT fellows
- Lecturer, 2017
 - Overview of Learning Theories
 - Application of Learning Theories in the Construction of a Framework
 - Quantitative Research Design
 - Research Design: Action Research & Mixed Methods Research
 - Choosing Between Statistical Analyses
 - Writing Group Models

Faculty Development Fellowship, Teaching Scholars Track

Medical College of Georgia, Augusta University, Augusta, Georgia

- Lecturer, 2018
 - Identifying Outcomes, Writing Objectives, & Designing Curriculum

Social Media for Professional Development, Workshop, 2018

Medical College of Georgia, Augusta University, Augusta, Georgia

Simulations for Third Year Medical Students, Mid-Year Intervention, 2017, 2018

Medical College of Georgia, Augusta University, Augusta, Georgia

- Assisted in the design of the simulation scenario
- Designed the assessment instrument
- Facilitated high-fidelity patient simulations and student debriefing sessions

Managing Emerging Literature, Workshop, 2017

Medical College of Georgia, Augusta University, Augusta, Georgia

Mentorship **Doctoral Committee Member**, Doctor of Education in Educational Innovation
College of Education, Augusta University, Augusta, Georgia
Leveraging Medical Simulation to Teach Interprofessional Education: A Pilot Study
Rebecca Etheridge (In Progress)
Kathleen Hernlen (In Progress)

Mentor and Supervisor, Medical Scholars Program
Medical College of Georgia, Augusta University, Augusta, Georgia
Exploring Third-Year Medical Students' Professional Identity Formation After Clinical Simulation
Lillie Tien (Summer, 2018)

Mentor, Medical Scholars Program
Medical College of Georgia, Augusta University, Augusta, Georgia
Analysis of Faculty Debriefing Practices to Inform Development of Training Programs
Keerthana Bathala (Summer, 2018)

Service **Augusta University Library Advisory Committee**, Member 2018-present
MCG Surgery Simulation Curriculum Committee, Member 2018-present
SGEA Faculty Development SIG, Chair 2018-present
AAMC MESRE, SGEA Session Reviewer 2018-present
Reviewer, MedEdPORTAL 2018-present
MCG Simulation Council, Member 2017-present
MCG Department of Medicine Translational Research Program,
Committee Member 2017-present
AAMC Education Technology Working Group, Member 2017-present
Journal Reviewer
American Journal of Pharmaceutical Education 2018-present
Academic Emergency Medicine Education and Training 2018-present
MedEdPORTAL 2018-present
Medical Education Online 2017-present
Computers & Education 2017-present
Journal of Educational Computing Research 2015-present
UF STEM Translation Communication Center, Affiliate Member 2014-2017
First Year Florida, Instructor Fall 2011
UF Student Affairs Assessment Committee, Member 2010-2012
UF Admissions Scholarship Committee, Member 2010-2012
UF Student Financial Affairs Cost of Attendance Committee, Chair 2009-2012
UF Student Financial Affairs Diversity Committee, Member 2008-2012
UF Student Affairs Employee Enrichment & Development,
Committee Member 2008-2011
UF Admissions, Holistic Admissions Reader 2007-2009