

KEITH R BUJAK

UX researcher improving experiences for all

Grand Rapids, Michigan • +1-404-314-1060 • kbujak@icloud.com • linkedin.com/in/keithrbujak

I work to end inequity through better research and novel solutions. Since my days of tutoring in an under-resourced school while earning an engineering degree, I have explored and created solutions to improve lives. From inspiring students as a special education teacher to influencing academic discourse as a published author, I am a constant advocate of putting people first in the design process, particularly those who are underserved.

PROFESSIONAL EXPERIENCE

Steelcase, Michigan • Senior UX Researcher

08/2019 - Present

With the WorkSpace Futures team, I create great experiences for the world's leading organizations to help people reach their full potential.

- o Leading the exploration of prototypes to improve presence equity in hybrid meetings, at the intersection of the built environment and collaboration technology, resulting in new product opportunities.
- o Consulting with community-based organizations to amplify their work, leading to new partnerships and to new methodologies for measuring success.

John Deere, Iowa • Staff UX Lead

03/2016 - 08/2019

At John Deere, a global company committed to those linked to the land, I sought ways to improve the working experiences of the people who grow our food and build our infrastructure.

- o Defined with a team a vision for digital products to bring intentionality to our customers' experiences, working toward a 2030 strategy.
- o Influenced approaches to accessibility and inclusive design, through exploring metrics and establishing strategies to ensure our solutions are usable by all.
- o Built strong relationships between UX, agile product teams, and users through insightful research activities while clearly articulating the implications.

John Deere, Illinois • Senior UX Engineer

05/2014 - 03/2016

- o Created a working prototype wearable device that delivers timely instructional content to under-trained workers, engaging them throughout the design process.
- o To grow the human centered design practice, I guided approximately 15 junior researchers and designers, and created 12 short courses that have been accessed by hundreds of employees.

Georgia Institute of Technology, Georgia • UX Research Assistant

08/2007 - 05/2014

Returning to school at a leading research university committed to improving the human condition, I was afforded numerous opportunities to affect some of our biggest social challenges.

- o Secured grants from the Gates Foundation totaling \$150,000 to create three massive open online courses (MOOCs). For one course about psychology, I established collaboration with Carnegie Mellon to bring the latest, free curriculum to 41,000 students globally.
- o With an emphasis on veterans, I coordinated the creation of a highly individualized Health IT training program, working with the technology transfer office and community college systems.

Johns Hopkins University, Maryland • Academic Program Coordinator

05/2006 - 06/2007

American Institutes for Research, DC • Research Assistant

05/2005 - 05/2006

Teach for America, Louisiana • Special Education Teacher

05/2003 - 05/2005

EDUCATION

Doctor of Philosophy • Georgia Institute of Technology, Georgia

Graduation Year (2014)

- o Program: Engineering Psychology and Sustainable Design
- o Doctoral Dissertation: Transitional embedded instructions for manipulating physical objects
- o Masters Thesis: A framework of passive-active-constructive study techniques: A divergence between assigned and reported behaviors

Bachelor of Science • Rensselaer Polytechnic Institute, New York

Graduation Year (2003)

- o Programs: Mechanical Engineering, Psychology

DISTINCTIONS

John Deere • Leadership Summit Attendee

2018

Prometheus Awards • Mobile App of the Year Finalist

2017

John Deere • Enterprise Innovation Award

2017

Journal of Computers & Education • Certificate of Excellence in Reviewing

2016

Human Factors and Ergonomics Society • Student Member with Honors

2013

Tech & Learning Magazine • 100 Most Important Future Ed Tech People

2010

Journals & Book Chapters

- Baker, P. M. A., Breznitz, S., Seavey, A., & **Bujak, K. R.** (2016). 21st century universities as drivers for innovation: The dimensions of learning, research, and collaboration. In U. Hilpert (Ed.), *Handbook of politics and technology* (pp. 236-248). Berlin: Routledge.
- Margulieux, L. E., Chen, D., McDonald, J. D., **Bujak, K. R.**, Gable, T. M., Darling, C. M., Schaeffer, L. M., & Barg-Walkow, L. H. (2016). Online collaboration applications evaluated by ease of use. *Ergonomics in Design* 24 (2), 21-30.
- Bujak, K. R.**, Radu, I., Catrambone, R., MacIntyre, B., Zheng, R., & Golubski G. (2013). A psychological perspective on augmented reality in the mathematics classroom. *Computers & Education*, 68, 536-544.
- Fausset, C. B., **Bujak, K. R.**, Kline, K. A., Beer, J. M., Smarr, C.-A., Adams, A. E., McBride, S. E., & Burnett, J. S. (2012). Leaving the lecture hall: Lessons learned conducting HF/E outside the classroom. *Ergonomics in Design* 20(3), 23-26.
- Caballero, M. D., Kohlmyer, M. A., Greco, E. F. Murray, E. R., **Bujak, K. R.**, Marr, M. J., et al. (2012). Comparing large lecture mechanics curricula using the Force Concept Inventory: A five thousand student study. *American Journal of Physics* 80(7), 638-644.

Panels & Invited Presentations

- Bujak, K. R.**, Johnson, S., Bertram, P. (2020). Career Trajectory. In A. Strickland-McGee (Chair), *Research Career*. Panel conducted online in partnership with City of Grand Rapids GRow 1000 initiative, Grand Rapids, MI, US.
- Bujak, K. R.** (2016). You are solving tomorrow's challenges today. Keynote address delivered at the FIRST LEGO League Challenge, Champaign, IL, US.
- Bujak, K. R.** (2015). User experience: Training materials and application of the practice. Presented at the John Deere Enterprise Training Collaboration Conference, Rock Island, IL, US.
- Bujak, K. R.**, Trenhalie, M., & Jackson, A. (2015). The Student Employment Model: Students in the Innovation Strategy. In D. F Cohen (Chair), *Pygmalion Tech Festival*. Panel conducted at the University of Illinois Urbana Champaign, Champaign, IL, US.
- Bujak, K. R.**, Moberly, L., Miller-Criner, L., Trenhaile, M., & Jones, B. (2015). Design at John Deere. In D. F Cohen (Chair), *Graphic design*. Panel conducted at the School of Art and Design, University of Illinois Urbana Champaign, Champaign, IL, US.
- Bujak, K. R.**, Tilton, A., & Corrales, G. P. (2015). Wearable technology at John Deere. In P. Wagner (Chair), *Wearables*. Panel conducted at the meeting of the University of Illinois Research Park Mobile Development Day, Champaign, IL, US.
- Bujak, K. R.**, Taylor, K., Wondra, N., & Eckhardt, J. (2014). Student research opportunities at John Deere. In L. Weisskopf-Bleill (Chair), *Research park tech talk*. Panel conducted at the meeting of the University of Illinois Urbana Champaign, Champaign, IL, US.

Bujak, K. R., Sutton, C., & Dow, B. (2014). Wearable technology: The other side of “going mobile.” Presented at the John Deere Enterprise Electronics Conference, Waterloo, IA, US.

Margulieux, L. E., **Bujak, K. R.,** McCracken, W. M., & Majerich, D. (2014). Hybrid, blended, flipped, and inverted: Defining terms in a two dimensional taxonomy. Paper presented at the Hawaii International Conference on Education (HICE), Honolulu, HI, US.

Rudiger, L., Spencer, S., & **Bujak, K. R.** (2013). Room to grow: Enhancing learning by supporting autonomy. Paper presented at the Society for the Teaching of Psychology Best Practices Conference, Atlanta, GA, US.

Bujak, K. R., & Catrambone, R. (2013). A divergence between assigned and reported learning strategy use. Paper presented at the 15th Biennial Conference of the European Association for Research in Learning and Instruction (EARLI), Munich, Germany.

Bujak, K. R., Catrambone, R., Caballero, M., Schatz, M., & Marr, M. J. (2012). Can Students Learn a Principled Approach to Solving Problems in an Introductory Physics Course? Paper presented at the Psychonomic Society Annual Meeting. Minneapolis, MN, USA.

Bujak, K. R., Baker, P. M. A., DeMillo, R., & Sandulli, F. D. (2012). The evolving university: Beyond disruptive change and institutional innovation. Paper presented at the 22nd World Congress of Political Science. Madrid, Spain.

Baker, P. M. A., **Bujak, K. R.,** & DeMillo, R. (2012). The evolving university: Disruptive change and institutional innovation. Paper presented at the International Conference on Software Development for Enhancing Accessibility and Fighting Info-exclusion, Douro Region, Portugal.

Bujak, K. R. (2012). Psychology & MOOCs: A Discussion. Invited colloquium presentation to the School of Psychology, Georgia Tech. Atlanta, GA.

Bujak, K. R., Kline, K., & Margulieux, L. (2011). Problem solving and educational technology lab overview. Invited colloquium presentation to the Undergraduate Human Factors Course, Georgia Tech. Atlanta, GA.

Bujak, K. R., Eiriksdottir, E. (2010). The wonders of excel. Invited workshop presentation for the Engineering Psychology Workshop Series, Georgia Tech. Atlanta, GA.

Bujak, K. R. (2010). A learning framework: A divergence between assigned and reported activities. Invited colloquium presentation to the School of Psychology, Georgia Tech. Atlanta, GA.

Bujak, K. R., Bailey Fausset, C., & DeBlasio, J. (2010). Introduction to human factors and ergonomics. Invited presentation to Industrial Design class, Kell High School. Marietta, GA.

Bujak, K. R. (2009). Learning science as inquiry through the delegation of information communication. Invited colloquium presentation to the School of Psychology, Georgia Tech. Atlanta, GA.

Reports

Bujak, K. R., Baker, P. M. A., & DeMillo, R. (2012). The Evolving University: Disruptive Change and Institutional Innovation (C21U Paper #22012). Atlanta, GA: Georgia Institute of Technology, Center for 21st Century Universities.

Bujak, K. R., Olson, K. E., Burnett, J. S., Olsheski, J. D., Smarr, C., Barg-Walkow, L., et al. (2012). Usability assessment update of the residential, agriculture, commercial, and golf units of <http://www.deere.com> (HFES/GT-TR-1201). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Ergonomics Society.

Bujak, K. R. (2010). A framework of passive-active-constructive study techniques: A divergence between assigned and reported behaviors (Master's thesis). Georgia Institute of Technology, Atlanta, GA, US.

Kline, K. A., Smarr, C., **Bujak, K. R.**, Pop, V., & Olsheski, J. D. (2010). Website evaluation of the education sections of <http://zooatlanta.org> (HFES/GT-TR-1001). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Ergonomics Society.

Bujak, K. R., Adams, A., Baranak, A. S., Beer, J. M., Burnett, J. S., DeBlasio, J. M., et al. (2009). Usability assessment of the residential, agriculture, commercial, and golf units of <http://www.deere.com> (HFES/GT-TR-0902). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Ergonomics Society.

Adams, A., Beer, J. M., **Bujak, K. R.**, Kline, K. A., McBride, S., and Smarr, C. (2009). Usability assessment of <http://www.psychology.gatech.edu> (HFES/GT-TR-0901). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Ergonomics Society.

Posters

Bujak, K. R., Catrambone, R., Caballero, M. D., Marr, M. J., Schatz, M. F. & Kohlmyer, M. A. (2011). Comparing the matter and interactions curriculum with a traditional physics curriculum: A think aloud study. Poster presented at the Annual Meeting of the American Educational Research Association (AERA), New Orleans, LA, US.

Catrambone, R., **Bujak, K. R.**, Eiriksdottir, E., Gane, B. & Kline, K. (2010). Problem solving and educational technology lab. Poster presented at the 54th Annual Meeting of the Human Factors and Ergonomics Society (HFES), San Francisco, CA, US.

Catrambone, R., **Bujak, K. R.**, Eiriksdottir, E., Gane, B. & Kline, K. (2009). Problem solving and educational technology lab. Poster presented at the 53rd Annual Meeting of the Human Factors and Ergonomics Society (HFES), San Antonio, TX, US.

Bujak, K. R. & Catrambone, R. (2008). Using text messages to support complex learning tasks. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL, US.

Catrambone, R., **Bujak, K. R.**, Eiriksdottir, E., Gane, B. & Kline, K. (2008). Problem solving and educational technology lab. Poster presented at the 52nd Annual Meeting of the Human Factors and Ergonomics Society (HFES), New York, NY, US.