

ABOUT ME

I am a user experience (UX) engineering psychologist working to end social inequity through better research and novel solutions. Since my days of working 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.

EXPERIENCE

User Experience (UX) Lead, John Deere (Iowa) 2016-Present

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

- I am establishing myself as John Deere's expert on accessibility and inclusive design. From age-related declines to limited language proficiency, I am exploring metrics and establishing strategies to ensure our solutions are usable by all.

User Experience (UX) Engineer, John Deere (Illinois) 2014-2016

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

User Experience (UX) Research Assistant, Georgia Institute of Technology (Georgia) 2007-2014

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.

- I worked to secure 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.
- 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.

Having earned advanced degrees, it was now time to bring my knowledge and experience to those who feed and build the world.

Academic Program Coordinator, Johns Hopkins University (Maryland) 2006-2007

At Johns Hopkins, a place that brings knowledge and discoveries to the world, I began to see how seemingly small decisions could have large impacts, even among students with ample opportunities. It became clear to me how easily some individuals fall through the cracks. I realized I was lacking the research skills to deeply understand complicated issues like these, so I returned to school.

Research Assistant, American Institutes for Research (District of Columbia) 2005-2006

I joined AIR, one of the world's largest behavioral and social science organizations dedicated to enhancing everyday life. I created a rubric for evaluating the accessibility and inclusiveness of science curricula for students with learning disabilities. I also assisted with the creation of questionnaires and the processing of state and local data to help administrators reflect on educational outcomes for underserved populations. I left this position to learn about the role of administrators in influencing outcomes.

Special Education Teacher, New Orleans Public Schools (Louisiana) 2003-2005

Selected as a Teach for America corps member, I joined a diverse network of leaders who confront educational inequity. My students achieved a full year's growth in reading in a single calendar year, a rare feat even among the general education classrooms at the school. My education, too, was profound. The children I taught came from homes where food was limited and violence was rampant. Hoping to affect change more broadly, I left the classroom to work at the national level.

HONORS AND DISTINCTIONS	<i>Leadership Summit Nominee & Attendee</i> , John Deere	2018
	<i>Mobile App of the Year (Finalist)</i> , Prometheus Awards	2017
	<i>Enterprise Innovation Award</i> , John Deere	2017
	<i>Certificate of Excellence in Reviewing</i> , Journal of Computers & Education	2016
	<i>Human Subjects Researcher</i> , Collaborative Institutional Training Initiative	2007-2014
	<i>Student Member with Honors</i> , Human Factors and Ergonomics Society	2013
	<i>100 Most Important Future Ed Tech People</i> , Tech & Learning Magazine	2010
	<i>Certified Special Education Teacher</i> , Louisiana State Department of Education	2003-2007
EDUCATION	DOCTOR OF PHILOSOPHY, ENGINEERING PSYCHOLOGY	
	Problem Solving and Educational Technology Lab Georgia Institute of Technology, Atlanta, GA	2014
	BACHELOR OF SCIENCE, MECHANICAL ENGINEERING & PSYCHOLOGY	
	Rensselaer Polytechnic Institute, Troy, NY	2003
SERVICE	REVIEWER	
	<i>Reviewer</i> , Journal of Computers & Education	2013-Present
	<i>Reviewer</i> , ISO 9241 (Process for enabling, executing and assessing human-centered design within organizations) and ISO 25065 (User requirements specification)	2017
	<i>Reviewer</i> , Annual Meeting of the Human Factors and Ergonomics Society	2010-2012
	LEADERSHIP & VOLUNTEERING	
	<i>Social Media Manager</i> , Ergonomics in Design Blog	2013-2014
	<i>Awards Coordinator</i> , HFES Training Technical Group	2013-2014
	<i>Campus Recruitment Ambassador</i> , Teach for America	2013-2014
	<i>Lab Manager</i> , Problem Solving and Educational Technology Lab	2008-2014
	<i>Tutor</i> , Grades 4-12 Math and Science, SAT Math	2008-2014
	<i>Committee Member</i> , Engineering Psychology Advisory Committee	2010-2012
	<i>Committee Member</i> , National Ergonomics Month Committee	2010-2012
	<i>Student Representative</i> , Georgia Tech Engineering Psychology Program	2010-2011
	<i>President</i> , Human Factors and Ergonomics Society, Georgia Tech Chapter	2008-2010
	<i>Volunteer Recruiter</i> , Teach for America	2005-2007
	<i>Tutor</i> , Tutor Time	2000-2003
	<i>Classroom Assistant</i> , America Reads, America Counts	1999-2003
	CONFERENCES & CONVENTIONS	
	<i>Session Chair</i> , Georgia Tech Engineering Psychology Colloquium	2013
	<i>Student Volunteer</i> , International Symposium on Mixed and Augmented Reality	2012
	<i>Augmented Reality Demo Volunteer</i> , USA Science and Engineering Festival	2012
	<i>Tour Volunteer</i> , Usability Professionals' Association (UPA) Conference	2011
	<i>Student Volunteer</i> , Computer-Human Interaction (CHI) Conference	2010
	<i>HF/E Demonstration Volunteer</i> , Science at Hand Day at Fernbank Museum	2008-2012
PROFESSIONAL ASSOCIATIONS	<i>Member</i> , User Experience Professionals Association	2015-Present
	<i>Member</i> , Industrial Designers Society of America	2013-2016
	<i>Member</i> , Human Factors and Ergonomics Society National Chapter	2007-2015
	<i>Member</i> , CHI Atlanta Chapter	2010-2014
	<i>Member</i> , Human Factors and Ergonomics Society Georgia Tech Chapter	2007-2014
	<i>Member</i> , American Psychological Association	2013-2014

<i>Junior Researcher</i> , European Association for Research in Learning & Instruction	2013-2014
<i>Member</i> , Special Interest Group on Human-Computer Interaction	2010-2011
<i>Member</i> , American Psychological Association, Division 21	2009-2010

PUBLICATIONS & PEER-REVIEWED PUBLICATIONS
PRESENTATIONS

- 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 TALKS & PRESENTATIONS

- 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.

CONFERENCE 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.

PHOTOGRAPHY

Bujak, K. R. (Photographer). (2017). *A robot handing an older man mediation* [photograph]. New York, NY: Pearson Publishing.

MEDIA COVERAGE

Scoble, R. (2016, January). Facebook Live interview with Keith R Bujak.
<https://www.facebook.com/RobertScoble/videos/10153852305869655/>

Preston, J. (2016, May). Georgia Tech research finds that web apps for the workplace succeed to varying degrees. *GVU Center News Brief*. <http://gvu.gatech.edu/georgia-tech-researchers-find-web-apps-workplace-are-succeeding-varying-degrees>

IANS (2016, May). Download these free web apps to multi-task better.

Yahoo!News - <https://in.news.yahoo.com/download-free-apps-multi-task-better-072806974.html>

The Times of India, The Economic Times - <http://timesofindia.indiatimes.com/tech/tech-news/Download-these-free-web-apps-to-multi-task-better/articleshow/52446803.cms>

The Statesman - <http://www.thestatesman.com/mobi/news/science-and-tech/get-these-web-apps-for-easier-multi-tasking/144673.html>

Business Standard - http://www.business-standard.com/article/news-ians/download-these-free-web-apps-to-multi-task-better-116052600461_1.html

Zee News - http://zeenews.india.com/news/net-news/these-free-web-apps-can-help-multi-task-effectively_1889067.html

The Free Press Journal - <http://www.freepressjournal.in/download-these-free-web-apps-to-multi-task-better/858415>

Three Novices - <https://threenovices.wordpress.com/2016/05/26/3novices-download-these-free-web-apps-to-multi-task-better/>

Udaipur Kiran - <http://udaipurkiran.com/download-these-free-web-apps-to-multi-task-better/>

Download Jozz - <http://downloadjozz.blogspot.com/2016/05/download-these-free-web-apps-to-multi.html>

Vishva Times - <http://www.vishvatimes.com/download-these-free-web-apps-to-multi-task-better/>

LA Indian - <http://www.laindian.com/desi/newsdetail.asp?id=194279>

Can India - <http://www.canindia.com/these-free-apps-will-help-you-multi-task-efficiently-online/>

Smith, L. (2016, May). Which free web apps for collaboration are the most user-friendly?.

EurekAlert.org - http://www.eurekalert.org/pub_releases/2016-05/hfae-wfw052516.php.

Newswise.com - <http://newswise.com/articles/which-free-web-apps-for-collaboration-are-the-most-user-friendly>

Phys.org - <http://phys.org/news/2016-05-free-web-apps-collaboration-user-friendly.html>

Livenetworknews.com - <http://livenetworknews.com/bz/article/100100100101816319>

Scienmag.com - <http://scienmag.com/which-free-web-apps-for-collaboration-are-the-most-user-friendly/>

Allmagnews.com - <http://allmagnews.com/which-free-web-apps-for-collaboration-are-the-most-user-friendly/>

Healthmedicinet.com - <http://healthmedicinet.com/i/which-free-web-apps-for-collaboration-are-the-most-user-friendly/>

Science Codex -

http://www.sciencecodex.com/which_free_web_apps_for_collaboration_are_the_most_

userfriendly-183151

Calishain, T. (2016, May). Thursday buzz: May 26, 2016. *Research Buzz*.

<https://researchbuzz.me/2016/05/26/congress-gov-satellite-imagery-texas-floods-more-thursday-buzz-may-26-2016/> and <https://rbfirehose.com/2016/05/25/research-the-usability-of-online-collaborative-apps/>