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Spatial Learning

Visual Perception

Memory

Education

B.A., Psychology	University of Utah, Eugene, OR	2006
M.S., Cognitive Psychology	Montana State University, Bozeman, MT	2009
Ph.D., Cognitive Psychology	University of Utah, Salt Lake City, UT	2014

Employment

Adjunct Professor

Department of Psychology, University of Utah	
Department of Psychology, Westminster College	2014-2016

Postdoctoral Fellow

Department of Psychology, University of Utah	2015-2016
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Assistant Professor (Lecturer)

Department of Psychology, University of Utah	2016-present
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Selected Awards

College of Social & Behavioral Science Superior Teaching Award Finalist

University of Utah	2016-2017
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APA Division 3 Early Career Award

Society for Experimental Psychology and Cognitive Science Journal of Experimental Psychology: Human Perception and Performance	2016
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Selected Publications

- Rand, K. M., Barhorst-Cates, E. M., Kiris, E., Thompson, W. B., & Creem-Regehr, S. H. (under review). Going the distance and beyond: Simulated low vision increases perception of distance traveled during locomotion.
- Barhorst-Cates, E. M., Rand, K. M., & Creem-Regehr, S. H. (2016). The Effects of Restricted Peripheral Field-of-View on Spatial Learning while Navigating. *PLoS one*, *11*(10).
- Rand, K. M., Thompson, W. B., & Creem-Regehr, S. H. (2015) Spatial learning while navigating with severely degraded viewing: The role of attention and mobility monitoring. *Journal of Experimental Psychology: Human Perception and Performance*, *41*(3), 649-667.
- Rand, K. (2014). *Spatial Learning While Navigating with Severely Degraded Viewing: The Role of Attention and Risk Monitoring*. (Doctoral Dissertation).
- Creem-Regehr, S. H., Payne, B., & Rand, K. M. & Hansen, G. (2014). Scaling space with the mirror illusion: The influence of body plasticity on perceived affordances. *Psychonomic Bulletin & Review*, *21* (2), 398-405.
- Rand, K. M., Tarampi, M. R., Creem-Regehr, S. H. & Thompson, W. B. (2012). The influence of object ground contact on perception of distance and size under severely degraded vision. *Seeing and Perceiving*, *5*(5), 425-447.
- Raj, M., Creem-Regehr, S. H., Rand, K. M., Stefanucci, J. K., & Thompson, W. B. (2012). Kinect based 3D object manipulation on a desktop display. In *Proceedings of the ACM Symposium on Applied Perception (SAP '12)*. ACM, New York, NY, USA, 99-102.
- Rand, K. M., Tarampi, M. R., Creem-Regehr, S. H., & Thompson, W. B. (2011). The importance of the visible horizon for distance judgments under severely degraded vision. *Perception*, *40*(2), 143-154.
- Hutchison, K. A., Meade, M. L., & Rand, K. M. (2010). Effects of delay and additivity on implicit activation of DRM critical items in naming. *Journal of Memory and Language*, *62*(3), 302-310.
- Aspinwall, L. G., Brown, T. R., & Tabery, J. (2012). The double-edged sword: Does biomechanism increase or decrease judges' sentencing of psychopaths? *Science*, *337*, 846-849.

Selected Presentations

Rand, K. M., Tarampi M. R., Whitaker, M., & Pointon, G. (2017, November). *The effect of expertise on motor sequence and visual memory for indoor rock climbing routes*. Poster presented at the Annual Meeting of the Psychonomics Society, Vancouver, BC.

Rand, K. M., Creem-Regehr, S. H., & Barhorst-Cates, E. M. (2016, August). *Overestimation of Distance Traveled with Degraded Vision : Evidence from Walking and Wheeling*. Poster presented at the Spatial Cognition conference series, Philadelphia, PA.

Rand, K. M., Creem-Regehr, S. H., & Thompson, W. B. (2015, November). *Estimates of distance traveled when walking with normal compared to degraded vision*. Poster presented at the Annual Meeting of the Psychonomics Society, Chicago, IL.

Rand, K., Creem-Regehr, S., & Thompson, W. B. (2014, June). *Spatial Learning While Navigating with Severely Degraded Viewing: The Role of Attention and Mobility Monitoring*. Talk presented at the Annual Summer Interdisciplinary Conference, Moab, UT.

Rand, K. M., Thompson, W. B. & Creem-Regehr, S. H. (2013, November). *Navigation With Severely Degraded Vision Requires Increased Attentional Demands: A Mobility-Related Safety Account*. Poster presented at the Annual Meeting of the Psychonomics Society, Toronto, Canada.

Rand, K., Thompson, W., & Creem-Regehr, S. (2012, November). *Degraded Viewing During Navigation of Novel Paths Impairs Global Spatial Representations*. Poster presented at the annual meeting of the Psychonomics Society, Minneapolis, MN.

Rand, K. M., Bakdash, J., Stefanucci, J. K., Creem-Regehr, S. H., & Gustafson, W. (2012). *Perceptual dependence of size and distance? A within subjects variability approach*. Poster presented at the 12th Annual Meeting of the Vision Sciences Society, Naples, FL.

Rand, K., Tarampi, M., Creem-Regehr, S., & Thompson, W. (2011, May). *The Influence of Object-Ground Contact on Perception of Distance and Size under Severely Degraded Vision*. Poster presented at the annual meeting of the Vision Science Society. Naples, FL.

Rand, K. M., Tarampi, M. R., Creem-Regehr, S. H., & Thompson, W. B. (2010, May). *The importance of the visible horizon for distance judgments under severely degraded vision*. Poster presented at the annual meeting of the Vision Science Society. Naples, FL.

Rand, K. M., & Hutchison, K. A. (2009, November). *The role of familiarity in prospective memory in older and younger adults*. Poster presented at the annual meeting of the Psychonomic Society. Boston, MA.

Teaching & Curriculum Development

PSY3150 Sensation and Perception

PSY 3140 Cognitive Psychology

PSY3711 Brain and Behavior

PSY 2120 Memory and Cognition in Everyday Life

PSY 4955 Human Factors Independent Project

Departmental and University Service

Honors Thesis Faculty Advisor, Department of Psychology

Undergraduate Committee, Department of Psychology

Human Factors Certificate Faculty Advisor, Department of Psychology

2016-2017

2016-present

2017-present