

Ian T. Ruginski

Curriculum Vitae

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cv last updated: september 2017

Education

- 2013–2018 **M.S., Psychology, University of Utah, Salt Lake City, UT, .**
Psychology Graduate Student, Cognition and Neural Science, GPA: 4.00
Advisors: Dr. Sarah Creem-Regehr & Dr. Jeanine Stefanucci
- 2009–2013 **B.A., Cognitive Science and Religious Studies, Vassar College, NY.**
Cognitive Science GPA: 3.51, Religious Studies GPA: 3.62
Thesis Advisors: Dr. Michele Tugade and Dr. Ken Livingston
Thesis Title: Religiously Affiliated Postures' Roles in Moderating Emotional Experience

Master's thesis

- title *The Effect of Anxiety on Gender Differences in Survey Spatial Learning*
supervisors Dr. Sarah Creem Regehr, Dr. Jeanine Stefanucci, & Dr. Elizabeth Cashdan
description Using a passive desktop spatial learning task, we found that females spatial memory was more affected by anxiety than males spatial memory.

Research Interests

- areas Visual perception, uncertainty visualization, spatial cognition, emotion
approaches Individual differences, evolutionary, dynamical systems, model fit testing
methods Behavioral, physiological, emotion manipulation, real-world, virtual reality

Publications

- in press Padilla, L.M., **Ruginski, I.T.**, & Creem-Regehr, S.H. (Accepted). Effects of Ensemble and Summary Displays on Interpretations of Geospatial Ensemble Data. *Cognitive Research: Principles and Implications*.
- 2017 Liu, L., Boone, A.P., **Ruginski, I.T.**, Padilla, L.M., Hegarty, M., Creem-Regehr, S.H., Thompson, W.B., Yuskel, C., and House, D.H. Uncertainty Visualization by Representative Sampling from Prediction Ensembles. *IEEE Transactions on Visualization and Computer Graphics*, 23(9), 2165-2178
- 2016 **Ruginski, I.T.**, Boone, A.P., Padilla, L.P., Kramer, H.S., Hegarty, M., Thompson, W.B., House, D.H., & Creem-Regehr, S.H. Non-expert interpretations of hurricane forecast uncertainty visualizations. *Spatial Cognition and Computation*, 16(2). Special Issue on Visually-Supported Spatial Reasoning with Uncertainty, 154-172.

- 2015 Padilla, L.M., Hansen, G., **Ruginski, I.T.**, Kramer, H.S., Thompson, W.B., & Creem-Regehr, S.H. (2015). The influence of different graphical displays on non-expert decision making under uncertainty. *Journal of Experimental Psychology: Applied*, 21(1), 37-46.

In Preparation

- 2017 **Ruginski, I.T.**, Barhorst, E., Cashdan, E., Creem-Regehr, S.H., & Stefanucci, J.K. (in prep). Mobility for Spatial Cognition and Navigation: Developing and validating a self-report scale to characterize mobility patterns.
- 2017 **Ruginski, I.T.**, Stefanucci, J.K., & Creem-Regehr, S.H. (in prep). The effect of anxiety on gender differences in survey spatial learning.

Conference Presentations

Talks

- 2017 Padilla, L.M., **Ruginski, I.T.**, Creem-Regehr, S.H., Liu, L., and House, D.H. (2017, November). Exploring Decision Biases with Ensemble Display Visualizations. Talk presented at Object Perception, Attention, and Memory. Vancouver, B.C.
- 2017 **Ruginski, I.T.**, Barhorst-Cates, E., Cashdan, E.A., Stefanucci, J.K., and Creem-Regehr, S.H. (2017, April). Mobility for Spatial Cognition and Navigation: Developing and validating a self-report scale to characterize travel motivations. Annual Meeting of the Rocky Mountain Psychological Association. Salt Lake City, UT
- 2015 **Ruginski, I.T.**, Stefanucci, J.K., and Creem-Regehr, S.H. (2015, November). The effect of anxiety on gender differences in survey spatial learning. Annual Meeting of the Psychonomic Society. Chicago, IL.
- 2015 **Ruginski, I.T.**, Boone, A.P., Padilla, L.P., Heydari, N., Kramer, H., Hegarty, M., Thompson, W.B., House, D.H., and Creem-Regehr, S.H. (2015, April). Non-expert interpretations of hurricane forecast uncertainty visualizations. Annual Meeting of the Rocky Mountain Psychological Association. Boise, Idaho.

Posters

- 2017 **Ruginski, I.T.**, Barhorst-Cates, E., Cashdan, E.A., Creem-Regehr, S.H., and Stefanucci, J.K. (2017, November). Mobility for Spatial Cognition and Navigation: Developing and validating a self-report scale to characterize travel patterns. Poster presented at Psychonomic Society Annual Meeting. Vancouver, B.C.
- 2017 Raj, M., **Ruginski, I.T.**, Kirby, R.M., and Whitaker, R.T. (2017, September). Summarizing and Visualizing Graph Ensembles with Rank Statistics and Boxplots. Poster presented at 25th International Symposium on Graph Drawing and Network Visualization. Boston, MA
- 2017 Thomas, B.J., Geuss, M.N., **Ruginski, I.T.**, & Stefanucci, J.K. (2017, May). Braking Bad: Arousal influences the visual guidance of braking. Poster presented at Vision Sciences Society Annual Meeting. St. Petersburg, FL.
- 2017 Stefanucci, J.K., Creem-Regehr, S.H., Cashdan, E.A., Barhorst-Cates, E., Gagnon, K., **Ruginski, I.T.**, Padilla, L., & Vashro, L. (2017, March). Mobility contributes to sex differences in spatial cognition and navigation. Poster presented at International Convention of Psychological Science. Vienna, Austria.

- 2016 **Ruginski, I.T.**, Gill, D.M, Padilla, L.M., Stefanucci, J.K., & Cashdan, E. (2016, August). The effect of sex and parenthood on perceived distances to objects. Poster presented at Annual Meeting of the Psychonomic Society. Boston, MA.
- 2016 Padilla, L.M., **Ruginski, I.T.**, & Creem-Regehr, S. (2016, August). Interpretations of ensemble versus summary displays of uncertainty in hurricane forecasts: size and intensity judgments. Poster presented at Spatial Cognition. Philadelphia, PA.
- 2015 Geuss, M.G., **Ruginski, I.T.**, & Stefanucci, J.K. (2015, September). Anxiety alters visual guidance of braking over time. Poster presented at Driving Simulation Conference Europe. Tübingen, Germany.
- 2015 **Ruginski, I.T.**, Boone, A.P., Padilla, L.P., Hegarty, M., Thompson, W.B., House, D.H., & Creem-Regehr, S.H. (2015, July). Understanding the Cone of Uncertainty: Non-expert interpretations of hurricane forecast uncertainty visualizations. Poster presented at Annual Meeting of the Cognitive Science Society. Pasadena, CA.
- 2014 **Ruginski, I.T.**, Geuss, M.G., & Stefanucci, J.K. (2014, November). Braking bad: differences in the visual guidance of braking behavior when anxious. Poster presented at Annual Meeting of the Psychonomic Society. Long Beach, CA.

Funding, Fellowships, & Honors

- summer 2017 **Summer fellow for Data Science**, *Sorenson Impact Center*, University of Utah.
- 2016-2017 **Departmental Teaching Commendation**, *University of Utah*.
- spring 2017 **First Place, College of Social and Behavioral Sciences Student Research Day co-author**, *University of Utah*, \$250.
- spring 2017 **Pilot Grant co-author**, *Army Research Lab and University of Utah*, \$40,000.
- fall 2015 **Graduate School Travel Award**, *University of Utah*, \$800.
- fall 2014 **Graduate School Travel Award**, *University of Utah*, \$800.
- spring 2014 **Letter of Recognition for Teaching Excellence**, *University of Utah*.
- fall 2014 **Clayton Scholars Fellowship**, *University of Utah*, \$6,000.
- fall 2012 **Albert W. Cretella, Jr. 1st-generation college student scholarship**, *Vassar College*, \$60,000.
- 2010-2013 **Scholar-Athlete Award**, *Vassar College*.

Additional Research Experience

- 2012 **Research Assistant**, *Brown University*, Providence, RI.
Department of Cognitive, Linguistic, and Psychological Sciences
Virtual Environment and Navigation Research Laboratory (VENLab)
Principal Investigator: Dr. William Warren.
- 2012 **Research Assistant**, *Vassar College*, Poughkeepsie, NY.
Department of Psychology
Auditory Emotional Stroop Study
Principal Investigator: Dr. Carol Christensen.

Teaching Experience

- fall 2017 **Teaching Assistant**, *University of Utah*, Department of Psychology.
PSY 65150: Structural Equation Modeling
Primary Instructor: Dr. Jonathan Butner
- summer **Statistical Consultant**, *University of Utah*, Department of Psychology.
2017-spring Graduate Statistics Consultant
2018 Primary Instructors: Dr. Jonathan Butner, Dr. Brian Baucom, Dr. Pascal Deboeck
- spring 2017 **Teaching Assistant**, *University of Utah*, Department of Psychology.
PSY 6510: Graduate Quantitative Methods II
Primary Instructor: Dr. Pascal Deboeck
- fall 2016 **Teaching Assistant**, *University of Utah*, Department of Psychology.
PSY 6500: Graduate Quantitative Methods I
Primary Instructor: Dr. Jonathan Zadra
- spring 2014 **Teaching Assistant**, *University of Utah*, Department of Psychology.
PSY 3150: Sensation & Perception
Primary Instructor: Dr. Jeanine Stefanucci
- spring 2014 **Research Assistant**, *University of Utah*, Departments of Management, Economics, Philosophy, & Psychology.
2nd-gen Cognitive Science course development
Principle Investigators: Dr. Bill Schulze & Dr. Russell McBride

Skills

statistics	MLM, Regression, EFA	software	R, SPSS, HLM
front end	HTML, CSS, FTP	general	Git, Markdown, MS Office
virtual reality	Unity, Vizard, Oculus	stimuli	Qualtrics, E-Prime

Affiliations

American Psychological Association

Executive Board Student Rep., Division of Applied and Engineering Psychology

Cognitive Science Society

Student member

Psychonomic Society

Student member

College, University, & Local Service

- 2014-2017 **Student Mentor**, *Academy for Math, Engineering, & Science*, Salt Lake City, UT.
Acted as a mentor for Utah high school students in preparing psychology focused science projects. Mentee Vy Ho awarded \$500 STEM Action Center Student Grant and received first place at Local Charter High School Science Fair.
- 2015-2016 **Student Rep.**, *Professional Issues and Ethics Committee*, University of Utah.
Nominated by student peers and acted as the Cognition and Neural Science area student representative. Relayed graduate student concerns related to professional issues anonymously to the CNS area head and chairs of the PIE committee.

- 2014-2015 **Committee Member**, *Diversity Committee*, University of Utah.
Promoting the teaching and understanding of diversity, providing expertise for and promoting research that seeks to understand the meaning of diversity of particular phenomenon across cultural groups, served as a support system for minority and underrepresented students and faculty in the psychology department at the University of Utah.
- 2013 **Student Rep.**, *Psychology Student Advisory Committee*, University of Utah.
Mentored undergraduates about the value of research in the field of psychology, the type of research specific to the VPSC lab, and how to become more closely involved in research as an undergraduate.
- 2013-present **Interviewer**, *Alumnae Admissions Program*, Vassar College.
Volunteer position interviewing prospective students applying for admission to alma mater, Vassar College.
- 2012-2013 **Student Representative**, *Student Athletic Advisory Committee*, Vassar College.
A committee of Vassar Athletes working with administration to make decisions about funding, events, and athlete/coaching needs in the Athletics Department
- 2011-2013 **Peer Advisor**, *Peer Advising Program*, Vassar College.
Acted as an academic mentor for underclassmen in Cognitive Science, Psychology, and Religious Studies Majors at Vassar College.
- 2011-2013 **Student Member**, *Cognitive Science of Religion Research Group*, Vassar College.
Helped develop new and innovative research ideas utilizing cognitive science and psychology to study religious beliefs and experiences.
- 2010-2011 **Student Fellow**, *Office of Residential Life*, Vassar College.
Trained to provide social, academic, and personal guidance to a group of First-year students living together in a residential dormitory. Similar role to a resident assistant (RA) in a University setting.
- 2009-2013 **Team Captain**, *Men's Rugby Club*, Vassar College.
Gained valuable time management, leadership, and teamwork skills. Helped lead team to #17 National Ranking in Men's Collegiate Division II Rugby. Appointed Team Captain for 2012-2013 seasons by coaches and teammates.

References

Dr. Sarah Creem-Regehr, *University of Utah*, Department of Psychology.
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