KIRSTEN ZIMAN

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EDUCATION

Dartmouth College   *July 2017 -*
Ph.D. Candidate, Cognitive Neuroscience

University of Southern California   *June 2014*
B.S., Neuroscience

PUBLICATIONS

Ziman K., Manning J. R. (2021). Unexpected false feelings of familiarity about faces are associated with increased pupil dilations. *Under review at Psychonomic Bulletin and Review, bioRxiv: 10.1101/2021.02.22.432360v1*

Ziman K., Lee M. R., Martinez A. R., & Manning J. R. (2019). Feature-based and location-based volitional covert attention are mediated by different mechanisms and affect memory at different timescales. *PsyArXiv: 10.31234/osf.io/2ps6e.*

Heusser A. C.*, **Ziman K.*** , Owen L. L. W., & Manning J. R. (2018). HyperTools: A Python toolbox for gaining geometric insights into high-dimensional data. *Journal of Machine Learning Research.*

Ziman K., Heusser A. C., Fitzpatrick P. C., Field C. E., & Manning J. R. (2018). Is automatic speech-to-text transcription ready for use in psychological experiments? *Behavior Research Methods.*

Heusser A. C., Fitzpatrick C. P., Field C. E., **Ziman K.**, & Manning J. R. (2017). Quail: A Python toolbox for analyzing and plotting free recall data. *The Journal of Open Source Software, 2, 424.*

POSTERS & ABSTRACTS

Ziman K., Lee M. R., Martinez A. R., Manning J. R. (2019). Volitional attention modulates memory encoding and retrieval. *Society for Neuroscience Conference.* Chicago, IL.

Ziman K., Heusser A. C., Fitzpatrick P. C., Field C. E., & Manning J. R. (2018). Is automatic speech-to-text transcription ready for use in psychological experiments? *Context and Episodic Memory Symposium.* Philadelphia, PA.

Ziman K., Heusser A.C., Manning J.R. (2017). Effects of Study Context on Recall Organization. *Society for Neuroscience Conference.* Washington, DC.

Ziman K., Heusser A.C., Manning J.R. (2017). Harnessing the power of mnemonic fingerprints: Maximizing learning potential by personalizing stimulus organization during adaptive list learning. *Context and Episodic Memory Symposium.* Philadelphia, PA.

Heusser A.C., **Ziman, K.**, Manning J.R. (2017). HyperTools: A Python toolbox for visualizing and manipulating high-dimensional data. *Context and Episodic Memory Symposium.* Philadelphia, PA.

Manning JR, **Ziman, K**, Heusser AC (2017) Efficient Learning: Manipulating context to enhance (or diminish) memory. *Society for Neuroscience. Washington, DC.* Washington, DC.

Ziman, K., Familiar, A.M., Shim, W.M. (2016). Positive affect worsens ensemble coding performance. *Vision Science Society Conference.* Saint Pete Beach, Florida.

Deirdre B., Lennon J., **Ziman K.** (2016). Content of Sleep-talking Transcripts versus Dream Accounts and Waking Language. *International Association for the Study of Dreams Conference.* Virginia Beach, Florida.

Wong, W.O., Suthana, N.A., Pourshaban, D., **Ziman, K.**, Bookheimer, S., Fried, I., Knowlton, B. (2012). Comparison of Medial Temporal Subregional Thickness and Overall Brain Volume to Episodic Memory Performance in Humans. *UCLA Undergraduate Poster Session.* Los Angeles, California.

HONORS & AWARDS

Neukom Prize for Outstanding Graduate Research in Computational Science, First Place
Phi Theta Kappa Honors Society, Beta Kappa Delta Chapter
Tau Sigma Honors Society, University of Southern California

PROFESSIONAL ACTIVITIES

Leader of Attention Consortium (EPSCoR) Graduate Student Journal Club (one academic year)
Reviewer for the Journal of Open Source Software
Ad hoc reviewer: Frontiers (Open Access Research Journal)
Methods in Neuroscience at Dartmouth Workshop Attendee
Dartmouth Psychological and Brain Science representative at Society for Neuroscience
Leader of Graduate Student Roundtable weekly meetings (one academic year)
Guest Speaker at Brain Speaker Series, Richmond Middle School (three years)
Presenter at Dartmouth College Brain Bee
Graduate student mentor (mentee: Yeo Bi Choi)
Letters to a Pre-Scientist STEM professional letter writer

RESEARCH EXPERIENCE

Contextual Dynamics Laboratory, Dartmouth College *2016-2017*
Laboratory Manager

Shim Laboratory, Dartmouth College *2015-2016*
Laboratory Manager

Brain and Creativity Institute, University of Southern California *2013-2014*
Research Assistant

Cognitive Neurophysiology Laboratory, University of California, Los Angeles *2011-2012*
Research Assistant

CLINICAL EXPERIENCE

Children's Hospital Los Angeles, Medical Preceptorship Program *2013*
UCLA Orthopedic Hospital, Child Life Volunteer *2011*

TEACHING EXPERIENCE

Teaching Assistant, Dartmouth College
Lectured, conducted one-on-one mentoring, and introduced students to the theoretical and practical aspects of fMRI data collection and analysis, for the course "Principles of Human Brain Mapping with MRI" (two terms). Led laboratory exercises, taught introduction to data analysis in R, and guided students through data analysis in the course "Experimental Design, Methodology, and Data Analysis Procedures" and data collection, analysis, and presentation in "Laboratory in Psychological Science".

Undergraduate Mentor, Dartmouth College
Mentees: Christina Lu, Madeline Lee, Eowyn Pak, Paxton Fitzpatrick (current lab manager at Dartmouth), Campbell Field, Marisol Tracy, Alejandro Martinez, Sarah Park, William Chen, Chetan Pavuluri, Chelsea Uddenberg, Darren Gu (recipient of David C. Hodgson Endowment), Ethan Adner (recipient of Neukom undergraduate research fellowship)

Living and Learning Community Advisor, Dartmouth College *2015-2018*

Science and Learning Resource Center, Santa Monica College *2012*

Educational Tutorial Services, Los Angeles *2013*