# KIRSTEN ZIMAN

Dartmouth College ⋄ Hanover, NH 03766 ⋄ 310 · 920 · 5973 ⋄ Kirsten.Ziman.GR@Dartmouth.edu

## EDUCATION

**Dartmouth College** *Anticipated: 2022*
Ph.D. Candidate, Cognitive Neuroscience

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

## HONORS & AWARDS

| | |
|---|---|
| **Graduate Travel Award, Dartmouth Graduate Studies** | *2021* |
| **Neukom Prize for Outstanding Graduate Research in Computational Science** | *2020* |
| **Tau Sigma Honors Society**, University of Southern California | *2013* |
| **Phi Theta Kappa Honors Society**, Beta Kappa Delta Chapter | *2012* |

## 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 & Review.*

Hartstein K. C., Saleki S., **Ziman K.**, Cavanagh P., Tse P. U. (2021). First- and second-order transformational apparent motion rely on common shape representations. *Vision Research.*

**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.* *these authors contributed equally to this work

**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.*

## SOFTWARE

| | |
|---|---|
| **HyperTools** | toolbox for analyzing and visualizing high-dimensional data (Python, open-source) *featured in Kaggle "No Free Hunch" blog and over 1,500 stars on GitHub* |
| **AutoFR** | toolbox for automatically transcribing verbal free recall data (Python, open-source) |
| **Quail** | toolbox for analyzing and plotting free recall data (Python, open-source) |

## AD HOC REVIEWER

Journal of Open Source Software, Frontiers (Open Access Research Journal)

## TEACHING

**Laboratory in Psychological Science**, Dartmouth College                    *Winter 2020*
Teaching Assistant to Professor Keilah Worth

**Experiment Design, Methodology & Data Analysis Procedures**, Dartmouth College  *Spring 2019*
Teaching Assistant to Professor Catherine Cramer

**Principles of Human Brain Mapping with MRI**, Dartmouth College            *Fall 2019*
Teaching Assistant to Professor Jeremy Huckins

**Principles of Human Brain Mapping with MRI**, Dartmouth College            *Fall 2018*
Teaching Assistant to Professor Jeremy Huckins

## MENTORSHIP

**GRADUATE MENTEES:**
**Yeo Bi Choi**, *third year graduate student in the Robertson Laboratory at Dartmouth College*

**UNDERGRADUATE MENTEES:**
**Paxton Fitzpatrick**, *current graduate student at Dartmouth College*
**Ethan Adner**, *recipient of Neukom undergraduate research fellowship at Dartmouth College*
**Natalie Schroeder**, *recipient of David C. Hodgson Endowment at Dartmouth College*
**Darren Gu**, *recipient of David C. Hodgson Endowment at Dartmouth College*
**Madeline Lee**, *Sophomore Research Scholar at Dartmouth College*
**Eowyn Pak, Campbell Field, Marisol Tracy, Alejandro Martinez, Sarah Park, William Chen, Chetan Pavuluri, Chelsea Uddenberg, Swestha Jain, Christina Lu**

## PROFESSIONAL ACTIVITIES

Interviewer for Dartmouth College graduate recruitment
Letters to a Pre-Scientist STEM professional letter writer
Guest Speaker at Brain Speaker Series, Richmond Middle School (three years)
Dartmouth College representative at Society for Neuroscience
Methods in Neuroscience at Dartmouth Workshop Attendee
Presenter at Dartmouth College Brain Bee
Leader of Attention Consortium (EPSCoR) Graduate Student Journal Club (one academic year)
Leader of Graduate Student Roundtable weekly meetings (one academic year)

## EMPLOYMENT HISTORY

**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*